



ICAR - RCNEH

AGROMET ADVISORY BULLETIN GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from
IMD, Guwahati)

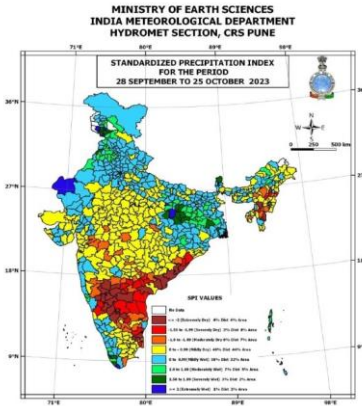


State Composite Bulletin

Bulletin No: Kolasib- 21/ 2024-25 (English)

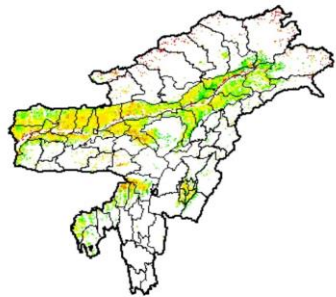
Issue Date: 28th June, 2024

Standardised Precipitation Index
for the period 28th September to 25th October 2023

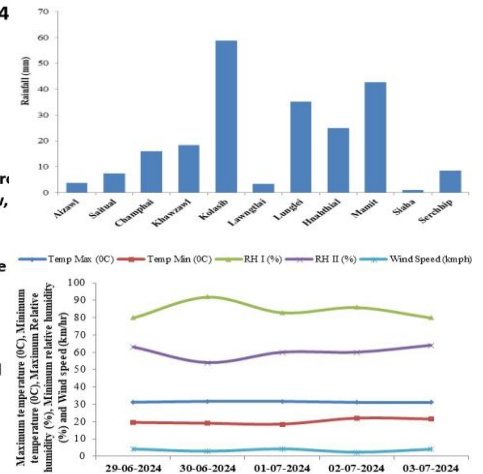


NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 24
(10.06.2024 to 16.06.2024) over Agricultural region

North East Region



Agricultural vigour is good over isolated places in the region.



Normalized Difference
Vegetative Index (NDVI)

According to NDVI, Agriculture vigour is good in the state during 10th to 16th June, 2024.

Weekly Extended Rain
Forecast Services (ERFS)

As per the Extended Rain Forecast System (ERFS), rainfall, maximum and minimum temperature for the period of 03rd to 09th July, 2024 in Mizoram state will be normal (12.42%), normal (0.31%) and normal (0.25%) respectively.

Warning

Moderate to heavy rainfall is expected for upcoming 5 days.

COMPOSITE STATE WEATHER FORECAST UPTO 08:30 AM OF 03.07.2024

Moderate to heavy rainfall is predicted during the upcoming 5 days. The maximum and minimum temperature will be in the range of 28-31°C and 21-24°C respectively. Maximum and minimum relative humidity is expected to be 95-100% and 71-92% respectively. Wind speed will be in the range of 2-7 Km/hr from South-East direction. Mainly to partially cloudy sky will prevail during upcoming 5 days.

GENERAL ADVISORY

1. Physiological mature Boro rice should be harvested as early as possible as moderate to heavy rainfall is predicted next five days which can cause plant lodging.
2. Pesticide and fertilizer application should be suspended for next five days for all the districts as moderate to heavy rainfall is predicted. If it's necessary, pesticide and fertilizer applied based on the local weather condition.
3. As moderate to heavy rainfall is predicted for next five days, farmers are advised to manage the drainage channel around the field to avoid the problem of water stagnation.
4. Gap filling/re-sowing is recommended for newly sown crops like soybean and sesamum based on the germination percentage observed by farmers as favourable weather is predicted for the next few days.
5. Farmers are advised to separate the newly procured pig for some days to check for any disease symptoms as African swine flu is prevailing.

SMS BULLETIN

Detrash and propping in five-month-old sugarcane crop is advised against lodging due to rain and squally wind. Late-season sugarcane planting and gap-filling are possible.



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Maize

(Vegetative to Flowering stage)

1. Farmers are advised to spray Emamectin benzoate @ 0.4 g/l of water or Spinosad @ 0.3 ml/l of water or Thiamethoxam 12.6% + lambda-cyhalothrin 9.5% @ 0.5 ml/l of water OR Chlorantraniliprole 18.5% SC @ 0.4 ml/l of water to long duration maize crop during sunny day/3-4 hour gap from spraying to rainfall.
2. Farmers are advised to do intercultural operation based on the local weather condition to reduce the alternate host and also advised to apply nitrogenous fertilizer like urea @ 30 kg/ha for normal growth and development to long duration maize crop during sunny days.
3. Farmers are advised to maintain appropriate drainage facilities in the field to minimize water stagnation as moderate rainfall was observed and is also forecasted.

Groundnut

(Vegetative stage)

1. The possibility of early leaf spot infection increases due to continuous rainfall and high humidity. Initially, small chlorotic spots appear on leaflets, which gradually enlarge and turn brown to black, forming a sub-circular shape on the upper leaf surface. Light brown coloration is observed on the lower surface of the leaves. Lesions may also appear on petioles, stems, and stipules. In severe cases, spray Carbendazim 50% WP at 1.0 g + Mancozeb 75% WP at 2.5 g or Chlorothalonil at 2.5 g. Repeat the spray 2-3 times at 15-day intervals during sunny days.

Lowland Rice

(Transplanting stage):

1. Farmers are advised to start preparation of the main field for rice transplanting as enough moisture is available due to moderate rainfall observed in the past weeks. Straw from the previous crop needs to be incorporated into the field. This residue will contribute nutrients to the current crop. The bund will have to be cleaned and unwanted plants may be removed.
2. Farmers are advised to maintain the water level by making bund around the rice field.
3. Application of fresh *Azolla* @ 10 t/ha + 50 % N through urea may improve rice yield. *Azolla* should be incorporated into the soil before transplanting.
4. Rice leaf blast is prevalent over every district in Mizoram. Farmers are advised to dip the seed in Carbendazim 50% WP @ 2.0 g/lit of water solution for 2 hours to reduce rice leaf blast in nursery.

Sugarcane

(Vegetative stage)

1. Farmers are advised to adopt soil water conservation techniques to maintain the soil moisture of the field. In the meantime, as light to moderate rainfall is forecasted, farmers are advised to create proper drainage channel to avoid water stagnation inside the field.
2. There is a possibility of early shoot borer infestation in sugarcane due to cloudy weather and light to moderate rainfall during last week. Farmers should monitor the field regularly to destroy the infected plant part. Farmers may use Carbofuran 3G @ 500 g/bigha area to control the pest.

Fish

(All stages)

1. Ensure proper drainage around the pond to avoid flow of muddy water from surrounding into the pond. Check the walls of the pond for any damage caused by continuous rainfall and immediately repair damaged parts. Proper embankment needs to be constructed alongside the pond area.
2. Farmers are also advised to construct an outlet with proper netting in their pond to drain out excess water in case of heavy rainfall, thereby maintaining the water level in the pond.
3. Fish stock should be reduced at different time interval.
4. Sufficient water is available at the pond due to rain in previous days. Apply lime in the pond after checking the pH. If the pH falls below 6.5, liming should be done @ 50 kg/ha.



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