

Integrated Agromet Advisory Service Bulletin from 27th Sept to 1st Oct'17 Dimapur District

Bulletin No:74/2017

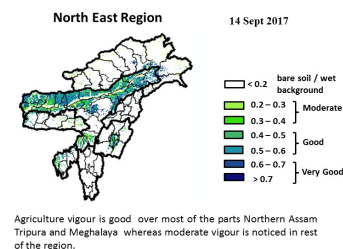
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28°C to 34°C and 24°C to 26°C, respectively.
- Relative humidity varied from 57% to 95%.
- Wind speed ranged from 1 to 2 kmph

- NDVI for Nagaland

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 32°C - 34°C and the **min temp** 23°C to 24°C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 59% to 92%.
- **Wind speed** may reach upto 2- 5 kmph
Wind direction will be mostly southeasterly




Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|---|
| <i>Jhum paddy</i> | Milk development stage | Gundhi bug | <i>Fixing of dead crabs, frogs or even pieces of jackfruit (Artocarpus heterophyllas) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain.</i> |
| <i>TRC/WRC paddy</i> | Tillering stage | | <i>In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to</i> |

| | | | |
|---|--|------|--|
| | | | <i>three times to get desirable result</i> |
| Soybean | Vegetative stage | | <i>Proper drainage should be maintained and timely earthing up should be carried out</i> |
| Groundnut | Vegetative stage | | <i>Timely weeding and earthing up should be done</i> |
| Horticultural crop Timely weeding and earthing up should be done | | | |
| Citrus | | | <i>During this month, Bordeaux paste should be applied on tree trunk of citrus up to 60cm height from ground level. To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.</i> |
| Okra | Harvesting stage | | <i>Harvest in morning hours when hairs on fruits are soft.</i> |
| Cucurbits | Harvesting stage | | <i>Harvest the cucurbits at proper maturity stage depending upon its use. Over matured fruits become fibrous and immature fruits are tender and have short shelf life</i> |
| Brinjal | Maturity stage | | <i>Timely weeding and earthing up should be done.</i> |
| | | Wilt | <i>Remove and destroy the affected plant Proper drainage should be maintained in the field</i> |
| Naga king chilli | Fruiting to harvesting stage | | <i>Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray</i> |
| Fruit trees | | | <i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i> |
| Ginger / turmeric | Vegetative stage | | <i>Timely monitor the disease in ginger field. For aphids and whiteflies, spray neem oil @5ml/litre of water</i> |
| Livestock Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals | | | |
| Poultry | <ul style="list-style-type: none"> • Provide adlibitum water, clean drinking water • Vaccinate against prevalent disease like Ranikhet disease and deworm every two months for backyard and intensive system both. • Fungal contamination of feed during rainy season is a common problem. Avoid transport of feed during rainy season and feed must be stored in dry place. Care must be taken to fill all the ditches in the vicinity of the poultry house which act as a breeding place for insects and mosquitoes | | |

| | | |
|--|------------------|---|
|  | Piggery | <ul style="list-style-type: none"> Continue routine deworming of piglets at 5-6 months interval Continue injection of iron for piglets at 4th and 14th day Regularly disinfect the floors and walls at frequent intervals with suitable disinfectant (KMnO₄). Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits. Examine the animals for maggot infestation and ectoparasites and use suitable control measures Check for signs of any disease like CSF, FMD etc and immediately consult a veterinary practitioner |
| | Fisheries | |
| | | <p>Chemicals found in or used on a pond's watershed can enter the pond and cause fish kills. Runoff following a heavy rain can transport a variety of unwanted chemicals into the pond including pesticides, herbicides, fertilizers, petroleum products.</p> <p>Avoid areas where the likelihood of chemical runoff is high and avoid using chemicals on the watershed.</p> |

Scientific Expert committee

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|--|--|
| 1 | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy | djrajkhowa@gmail.com |
| 2 | Dr. L.K. Baishya | Senior Scientist | Agronomy | lkbicar@gmail.com |
| 3 | Ph. Romen Sharma | Scientist | Agricultural Extension | romen.agext@gmail.com |
| 4 | Dr. Rajesha G | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
| 6 | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & Aromatic Plants | azezeseyie@yahoo.com |

| | | | | |
|---|-----------------|-----------|-------------------------------|--|
| 7 | Jyotish Barman | Scientist | Fisheries Resource Management | ijyotish5@gmail.com |
| 8 | Aabon W Yanthan | Scientist | Vegetable Science | aabon.iari@gmail.com |

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Kiphire District

Bulletin No:74/2017

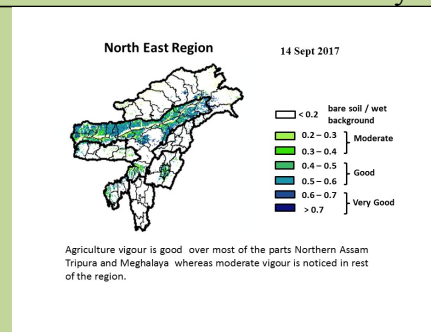
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28°C to 29°C and 19°C to 20°C, respectively.
- Relative humidity varied from 64% to 94%.
- Wind speed ranged from 1 to 2 kmph

- NDVI for Nagaland

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- Max temp** is likely to be 31°C - 35°C and the **min temp** 23°C to 25°C
- Sky is likely to be mainly cloudy** the coming week
- Relative Humidity** is likely to range from 57% to 94%.
- Wind speed** may reach upto 1- 2 kmph
- Wind direction** will be southeasterly



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|--|
| <i>Jhum paddy</i> | Milk development stage | Gundhi bug | Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain. |
| <i>TRC/WRC paddy</i> | Tillering stage | | In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result |
| <i>Soybean</i> | Vegetative stage | | Proper drainage should be maintained and timely earthing up should be carried out |
| <i>Groundnut</i> | Vegetative stage | | Timely weeding and earthing up should be done |

Horticultural crops

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Integrated Agromet Advisory Service Bulletin from 27th Sept to 1st Oct'17 Kohima District

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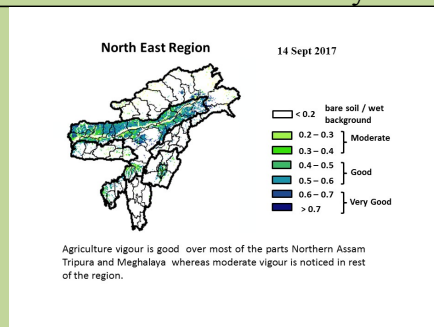
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 24 °C to 26°C and 16°C to 18°C, respectively.
- Relative humidity varied from 62% to 95%.
- Wind speed ranged from 1 to 2 kmph

- NDVI for Nagaland

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 26°C - 27°C and the **min temp** 19°C to 20°C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 52% to 95%.
- **Wind speed** may reach upto 2- 4 kmph
- **Wind direction** will be mostly southeasterly



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|---|
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| <i>TRC/WRC paddy</i> | Tillering stage | | <i>In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result</i> |
| <i>Soybean</i> | Vegetative stage | | <i>Proper drainage should be maintained and timely earthing up should be carried out</i> |
| <i>Groundnut</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done</i> |

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Longleng District

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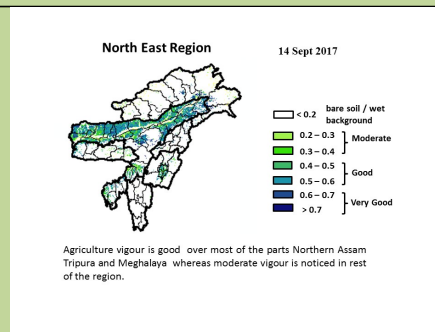
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26°C to 29°C and 17°C to 19°C, respectively.
- Relative humidity varied from 65% to 92%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 30°C - 31°C and the **min temp** 23°C to 24°C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 71% to 90%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southeasterly

- NDVI for Nagaland



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|--|
| <i>Jhum paddy</i> | Milk development stage | Gundhi bug | Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain. |
| <i>TRC/WRC paddy</i> | Tillering stage | | In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result |
| <i>Soybean</i> | Vegetative stage | | Proper drainage should be maintained and timely earthing up should be carried out |
| <i>Groundnut</i> | Vegetative stage | | Timely weeding and earthing up should be done |

Horticultural crop

Scientific Expert committee

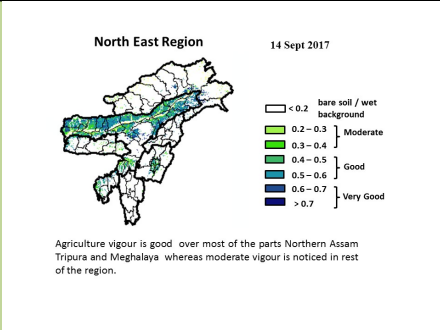
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Mokokchung District

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| Weather summary of the preceding week | | | Weather forecast valid upto 1 st Oct'17 |
|--|------------------------|----------------|---|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 24°C to 26°C and 15°C to 16°C, respectively. Relative humidity varied from 61% to 92%. Wind speed ranged from 1 to 2 kmph | | | <ul style="list-style-type: none"> Probability of light rain the coming week. Max temp is likely to be 32°C - 33°C and the min temp 23°C to 24°C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 67% to 91%. Wind speed may reach upto 2- 4 kmph Wind direction will be easterly |
| <ul style="list-style-type: none"> NDVI for Nagaland | | |  <p>Moderate wet conditions</p> |
| Field crops | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| <i>Jhum paddy</i> | Milk development stage | Gundhi bug | <i>Fixing of dead crabs, frogs or even pieces of jackfruit (Artocarpus heterophyllas) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain.</i> |
| <i>TRC/WRC paddy</i> | Tillering stage | | <i>In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result</i> |
| <i>Soybean</i> | Vegetative stage | | <i>Proper drainage should be maintained and timely earthing up should be carried out</i> |
| <i>Groundnut</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done</i> |
| Horticultural crop | | | |
| Timely weeding and earthing up should be done | | | |

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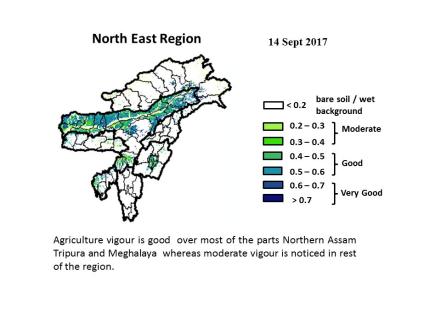


Integrated Agromet Advisory Service Bulletin from 27th Sept to 1st Oct'17 Mon District

Bulletin No:74/2017

ICAR RESEARCH COMPLEX FOR NEH REGION

Cultural Research)

| Weather summary of the preceding week | | | Weather forecast valid upto 1 st Oct'17 |
|---|------------------------|----------------|--|
| <ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 26°C to 28°C and 17°C to 18°C, respectively. Relative humidity varied from 71% to 94% Wind speed ranged from 1 to 2 kmph | | | <ul style="list-style-type: none"> Probability of light rain the coming week. Max temp is likely to be 32°C - 33°C and the min temp 22°C to 24°C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 63% to 91%. Wind speed may reach upto 1- 2 kmph Wind direction will be southeasterly |
| <ul style="list-style-type: none"> NDVI for Nagaland | | |  <p>Moderate wet conditions</p> |
| Field crops | | | |
| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
| Jhum paddy | Milk development stage | Gundhi bug | Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain. |
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| Soybean | Vegetative stage | | Proper drainage should be maintained and timely earthing up should be carried out |
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| Horticultural crop | | | |

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Peren District

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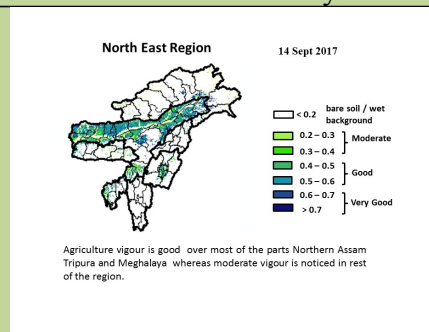
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28°C to 30°C and 19°C to 21°C, respectively.
- Relative humidity varied from 60% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- Max temp** is likely to be 32°C - 33°C and the **min temp** 24°C to 25°C
- Sky is likely to be mainly cloudy** the coming week
- Relative Humidity** is likely to range from 54% to 95%.
- Wind speed** may reach upto 3- 4 kmph
- Wind direction** will be mostly easterly

- NDVI for Nagaland



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
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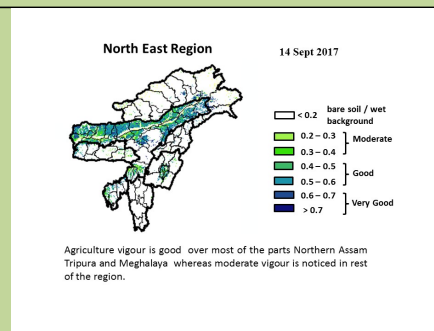
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- **Wind direction** will be mostly southeasterly

- NDVI for Nagaland



Moderate wet conditions

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| 4 | Dr. Rajesha G | Scientist | Plant Pathology | rajeshag337@gmail.com |
| 5 | Dr. Mahak Singh | Scientist | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
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Integrated Agromet Advisory Service Bulletin from 27th Sept to 1st Oct'17 Tuensang District

Bulletin No:74/2017

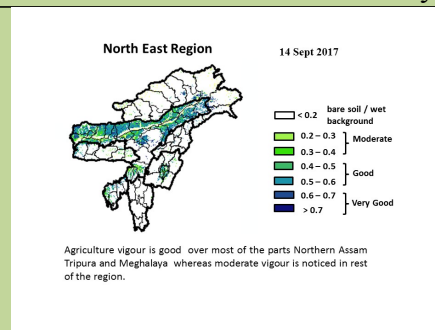
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 24°C to 28°C and 15°C to 16°C, respectively.
- Relative humidity varied from 65% to 94%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 30°C - 31°C and the **min temp** 23°C to 24°C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 58% to 94%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southeasterly

- NDVI for Nagaland



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|---|
| <i>Jhum paddy</i> | Milk development stage | Gundhi bug | <i>Fixing of dead crabs, frogs or even pieces of jackfruit (Artocarpus heterophyllas) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain.</i> |
| <i>TRC/WRC paddy</i> | Tillering stage | | <i>In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result</i> |
| <i>Soybean</i> | Vegetative stage | | <i>Proper drainage should be maintained and timely earthing up should be carried out</i> |
| <i>Groundnut</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done</i> |

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Integrated Agromet Advisory Service Bulletin from 27th Sept to 1st Oct'17 Wokha District

Bulletin No:74/2017

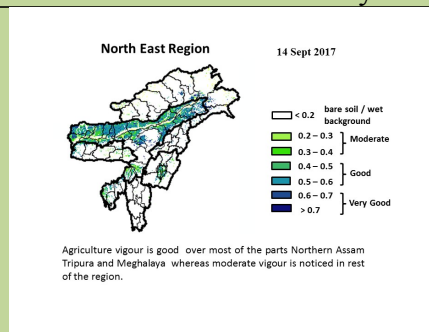
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26°C to 27°C and 17°C to 18°C, respectively.
- Relative humidity varied from 61% to 92%.
- Wind speed ranged from 2 to 4 kmph

- NDVI for Nagaland

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 30°C - 31°C and the **min temp** 23°C to 25°C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 59% to 92%.
- **Wind speed** may reach upto 3- 4 kmph
- **Wind direction** will be mostly southeasterly



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|---|
| Jhum paddy | Milk development stage | Gundhi bug | <i>Fixing of dead crabs, frogs or even pieces of jackfruit (Artocarpus heterophyllas) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain.</i> |
| TRC/WRC paddy | Tillering stage | | <i>In present weather condition, constant monitoring for leaf folder in paddy field is advised. To control the pest, mechanical methods, such as rope method is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result</i> |
| Soybean | Vegetative stage | | <i>Proper drainage should be maintained and timely earthing up should be carried out</i> |
| Groundnut | Vegetative stage | | <i>Timely weeding and earthing up should be done</i> |

Scientific Expert committee

| Sl.no | Name | Designation | Department | |
|-------|------------------|---------------------|--|--|
| 1 | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy | djrajkhowa@gmail.com |
| 2 | Dr. L.K. Baishya | Senior Scientist | Agronomy | lkbicar@gmail.com |
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Integrated Agromet Advisory Service Bulletin from 27th Sept to 1st Oct'17 Zunheboto District

Bulletin No:74/2017

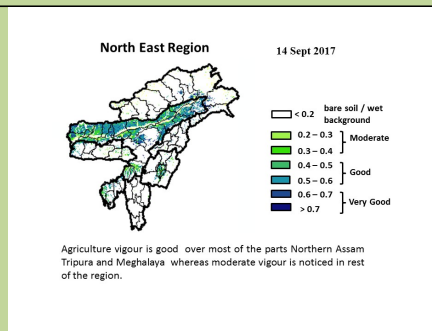
Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26°C to 28°C and 17°C to 20°C, respectively.
- Relative humidity varied from 63% to 95%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 1st Oct'17

- Probability of light rain the coming week.
- Max temp** is likely to be 28°C - 29°C and the **min temp** 23°C to 24°C
- Sky is likely to be cloudy** the coming week
- Relative Humidity** is likely to range from 62% to 93%.
- Wind speed** may reach upto 2- 4 kmph
- Wind direction** will be mostly easterly

NDVI for Nagaland



Moderate wet conditions

Field crops

| Main Crops | Stage | Pest/ Diseases | Agro-meteorological Advisories |
|----------------------|------------------------|----------------|---|
| <i>Jhum paddy</i> | Milk development stage | Gundhi bug | <i>Fixing of dead crabs, frogs or even pieces of jackfruit (Artocarpus heterophyllas) to bamboo sticks in rice fields to attract and divert pests from sucking milk of rice grain.</i> |
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| <i>Soybean</i> | Vegetative stage | | <i>Proper drainage should be maintained and timely earthing up should be carried out</i> |
| <i>Groundnut</i> | Vegetative stage | | <i>Timely weeding and earthing up should be done</i> |

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