



Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Longleng District

Bulletin No:69/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 29⁰C to 31⁰C and 20⁰C to 21⁰C, respectively.
- Relative humidity varied from 65% to 95%.
- Wind speed ranged from 2 to 4 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 28⁰C - 30⁰C and the **min temp** 19⁰C to 21⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 57% to 91%.
- **Wind speed** may reach upto 2- 5 kmph
- **Wind direction** will be mostly southeasterly


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Panicle initiation stage	Gundhi bug	<i>Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated</i>
<i>TRC/WRC paddy</i>	Stem elongation stage	Brown spot	<i>Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.</i>
<i>Soybean</i>	Flowering stage	-	<i>Proper drainage should be maintained and timely earthing up should be carried out</i>

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		<i>During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).</i>
<i>Cucurbits</i>	Harvesting stage	-	<i>Avoid injuries during harvesting and handling.</i>
<i>Okra</i>	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> • Remove regularly the attacked fruits and bury deep in the soil. • Harvesting should be done timely

	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption.</i> <i>Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars,</i> <i>Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained.</i> <i>Timely earthing up should be carried out.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	Fisheries			
			<ul style="list-style-type: none">Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation	

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
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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Mokokchung District

Bulletin No:69/2018

Weather summary of the preceding week			Weather forecast valid upto 2 nd Sept' 2018
<ul style="list-style-type: none"> Moderate rain occurred the past week Maximum and minimum temperatures ranged 29^oC to 32^oC and 20^oC to 21^oC, respectively. Relative humidity varied from 59% to 93%. Wind speed ranged from 2 to 4 kmph 			<ul style="list-style-type: none"> Probability of heavy rain the coming week. Max temp is likely to be 28^oC - 30^oC and the min temp 19^oC to 20^oC Sky is likely to be partly cloudy the coming week Relative Humidity is likely to range from 62% to 95%. Wind speed may reach upto 2- 4 kmph Wind direction will be mostly southerly
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum Paddy	Ripening stage		Harvesting is to be done in optimum time, otherwise, there will be loss of grain shedding, scattering, lodging and also damaged by birds, over maturity and lodging
TRC/WRC paddy	Milk development stage	Gundhi bug	Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.
Soybean	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out
Horticultural crop			
<ul style="list-style-type: none"> Proper weeding, earthing up should be done and staking should be done for good production. 			
Citrus	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.
Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> Remove regularly the attacked fruits and bury deep in the soil. Harvesting should be done timely
Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption.

			<i>Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
<i>Ginger / turmeric</i>	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.</i>
<i>Livestock</i>			
Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
<i>Poultry</i>	<ul style="list-style-type: none">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.		
<i>Piggery</i>	<ul style="list-style-type: none">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
<i>Fisheries</i>			
	<ul style="list-style-type: none">Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation		



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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Mon District

Bulletin No:69/2018

Weather summary of the preceding week


- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 30⁰C and 20⁰C to 22⁰C, respectively.
- Relative humidity varied from 65% to 90%
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 28⁰C - 29⁰C and the **min temp** 19⁰C to 20⁰C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 62% to 93%.
- **Wind speed** may reach upto 2- 6 kmph
Wind direction will be mostly southerly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Ripening stage		<i>Harvesting is to be done in optimum time, otherwise, there will be loss of grain shedding, scattering, lodging and also damaged by birds, over maturity and lodging</i>
<i>TRC/WRC paddy</i>	Milk development stage	Gundhi bug	<i>Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.</i>
<i>Soybean</i>	Flowering stage	-	<i>Proper drainage should be maintained and timely earthing up should be carried out</i>

Horticultural crop			
Proper weeding, earthing up should be done and staking should be done for good production.			
Citrus	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.
Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> Remove regularly the attacked fruits and bury deep in the soil. Harvesting should be done timely
Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.
Ginger / turmeric	Vegetative stage	Rhizome rot	Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.
Livestock			
Flood affected areas generally experience out-break of human and animal diseases. 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"> 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"> Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition 		
Fisheries			
	<ul style="list-style-type: none"> Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation 		

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Peren District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 30⁰C and 20⁰C to 21⁰C, respectively.
- Relative humidity varied from 58% to 94%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 28⁰C - 29⁰C and the **min temp** 19⁰C to 21⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 65% to 95%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be mostly southeasterly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Panicle initiation stage	Gundhi bug	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated
<i>TRC/WRC paddy</i>	Stem elongation stage	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.
<i>Soybean</i>	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
<i>Cucurbits</i>	Harvesting stage	-	Avoid injuries during harvesting and handling.
<i>Okra</i>	Fruiting to harvesting	Spotted bollworm	<ul style="list-style-type: none"> • Remove regularly the attacked fruits and bury deep in the soil. • Harvesting should be done timely

		stage		
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	Fisheries Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation			

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Phek District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 26⁰C to 31⁰C and 18⁰C to 19⁰C, respectively.
- Relative humidity varied from 52% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 26⁰C - 27⁰C and the **min temp** 19⁰C to 20⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 55% to 95%.
- **Wind speed** may reach upto 2-4 kmph
- **Wind direction** will be mostly southwesterly


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Ripening stage		<i>Harvesting is to be done in optimum time, otherwise, there will be loss of grain shedding, scattering, lodging and also damaged by birds, over maturity and lodging</i>
<i>TRC/WRC paddy</i>	Milk development stage	Gundhi bug	<i>Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.</i>
<i>Soybean</i>	Flowering stage	-	<i>Proper drainage should be maintained and timely earthing up should be carried out</i>

Horticultural crop

- *Proper weeding, earthing up should be done and staking should be done for good production.*

<i>Citrus</i>	New flush		<i>During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).</i>
<i>Cucurbits</i>	Harvesting stage	-	<i>Avoid injuries during harvesting and handling.</i>
<i>Okra</i>	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> • <i>Remove regularly the attacked fruits and bury deep in the soil.</i> • <i>Harvesting should be done timely</i>

	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	Fisheries			
			Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation	

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Tuensang District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 30⁰C and 23⁰C to 26⁰C, respectively.
- Relative humidity varied from 64% to 92%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of heavy rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 16⁰C to 17⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 69% to 97%.
- **Wind speed** may reach upto 2-4 kmph
- **Wind direction** will be mostly southwesterly


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Ripening stage		<i>Harvesting is to be done in optimum time, otherwise, there will be loss of grain shedding, scattering, lodging and also damaged by birds, over maturity and lodging</i>
<i>TRC/WRC paddy</i>	Milk development stage	Gundhi bug	<i>Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.</i>
<i>Soybean</i>	Flowering stage	-	<i>Proper drainage should be maintained and timely earthing up should be carried out</i>

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		<i>During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).</i>
<i>Cucurbits</i>	Harvesting stage	-	<i>Avoid injuries during harvesting and handling.</i>
<i>Okra</i>	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> • Remove regularly the attacked fruits and bury deep in the soil. • Harvesting should be done timely

	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	Fisheries			
		Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation		

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Wokha District

Bulletin No:69/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 29⁰C and 20⁰C to 21⁰C, respectively.
- Relative humidity varied from 55% to 91%.
- Wind speed ranged from 2 to 4 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 28⁰C - 29⁰C and the **min temp** 19⁰C to 21⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 62% to 91%.
- **Wind speed** may reach upto 4- 6 kmph
- **Wind direction** will be southerly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Flowering to milk development stage	Gundhi bug	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated
<i>TRC/WRC paddy</i>	Stem elongation stage	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.
<i>Soybean</i>	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
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	Cucurbits	Harvesting stage	-	<i>Avoid injuries during harvesting and handling.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none">• <i>Remove regularly the attacked fruits and bury deep in the soil.</i>• <i>Harvesting should be done timely</i>
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption.</i> <i>Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars,</i> <i>Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained.</i> <i>Timely earthing up should be carried out.</i>
	<i>Livestock</i> Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">• 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">• Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
<i>Fisheries</i>				
	<ul style="list-style-type: none">• Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation			

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Zunheboto District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 30⁰C and 19⁰C to 20⁰C, respectively.
- Relative humidity varied from 67% to 92%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of heavy rain the coming week.
- **Max temp** is likely to be 28⁰C - 29⁰C and the **min temp** 19⁰C to 20⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 70% to 95%.
- **Wind speed** may reach upto 2- 4 kmph
- **Wind direction** will be southerly


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Ripening stage		<i>Harvesting is to be done in optimum time, otherwise, there will be loss of grain shedding, scattering, lodging and also damaged by birds, over maturity and lodging</i>
<i>TRC/WRC paddy</i>	Milk development stage	Gundhi bug	<i>Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.</i>
<i>Soybean</i>	Flowering stage	-	<i>Proper drainage should be maintained and timely earthing up should be carried out</i>

Horticultural crop

- *Proper weeding, earthing up should be done and staking should be done for good production.*

<i>Citrus</i>	New flush		<i>During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).</i>
<i>Cucurbits</i>	Harvesting stage	-	<i>Avoid injuries during harvesting and handling.</i>

	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none">Remove regularly the attacked fruits and bury deep in the soil.Harvesting should be done timely
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption.</i> <i>Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained.</i> <i>Timely earthing up should be carried out.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	Fisheries			
		<ul style="list-style-type: none">Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation		

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Dimapur District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 32⁰C to 34⁰C and 24⁰C to 25⁰C, respectively.
- Relative humidity varied from 40% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 33⁰C - 34⁰C and the **min temp** 24⁰C to 26⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 63% to 95%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southerly


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Panicle initiation stage	Gundhi bug	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated
<i>TRC/WRC paddy</i>	Stem elongation stage	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.
<i>Soybean</i>	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
<i>Cucurbits</i>	Harvesting stage	-	Avoid injuries during harvesting and handling.
<i>Okra</i>	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> • Remove regularly the attacked fruits and bury deep in the soil. • Harvesting should be done timely

	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<i>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	Fisheries			
			<ul style="list-style-type: none">Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation	

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18

Kiphire District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 33⁰C and 20⁰C to 23⁰C, respectively.
- Relative humidity varied from 47% to 95%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of heavy rain the coming week.
- **Max temp** is likely to be 28⁰C - 30⁰C and the **min temp** 19⁰C to 22⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 66% to 95%.
- **Wind speed** may reach upto 2-4 kmph
- **Wind direction** will be mostly southeasterly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Panicle initiation stage	Gundhi bug	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated
<i>TRC/WRC paddy</i>	Stem elongation stage	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.
<i>Soybean</i>	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
<i>Cucurbits</i>	Harvesting stage	-	Avoid injuries during harvesting and handling.
<i>Okra</i>	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> • Remove regularly the attacked fruits and bury deep in the soil. • Harvesting should be done timely
<i>Brinjal</i>	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of

				<i>the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</i>
	<i>Ginger / turmeric</i>	Vegetative stage	Rhizome rot	<i>Proper drainage and sanitation should be maintained. Timely earthing up should be carried out.</i>
	<i>Livestock</i> Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	<i>Poultry</i>	<ul style="list-style-type: none">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.		
	<i>Piggery</i>	<ul style="list-style-type: none">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	<i>Fisheries</i>			
		<ul style="list-style-type: none">Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation		

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Integrated Agromet Advisory Service Bulletin from 29th Aug to 2nd Sept'18 Kohima District

Bulletin No:69/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 26^oC to 28^oC and 19^oC to 21^oC, respectively.
- Relative humidity varied from 58% to 97%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 2nd Sept' 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 26^oC - 27^oC and the **min temp** 19^oC to 20^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 61% to 95%.
- **Wind speed** may reach upto 2-3 kmph
- **Wind direction** will be mostly southerly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Panicle initiation stage	Gundhi bug	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated
<i>TRC/WRC paddy</i>	Stem elongation stage	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.
<i>Soybean</i>	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out

Horticultural crop

- Proper weeding, earthing up should be done and staking should be done for good production.

<i>Citrus</i>	New flush		During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).
<i>Cucurbits</i>	Harvesting stage	-	Avoid injuries during harvesting and handling.
<i>Okra</i>	Fruiting to	Spotted	<ul style="list-style-type: none"> • Remove regularly the attacked fruits and bury deep in the soil.

		harvesting stage	bollworm	<ul style="list-style-type: none">Harvesting should be done timely
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	<p>Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption.</p> <p>Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars,</p> <p>Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.</p>
	Ginger / turmeric	Vegetative stage	Rhizome rot	<p>Proper drainage and sanitation should be maintained.</p> <p>Timely earthing up should be carried out.</p>
	Khasi Mandarin	New flush		<p>During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).</p>
	<p style="text-align: center;">Livestock</p> <p>Water stagnation should be avoided in livestock shed to avoid mosquito breeding.</p> <p>Daily provide clean and cool drinking water to the animals</p>			
	Poultry	<ul style="list-style-type: none">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">Precaution should be taken against Japanese encephalitis, a mosquito borne disease. Avoid stagnant water in and around the sty, maintain proper hygienic condition		
	<p style="text-align: center;">Fisheries</p>			
		<ul style="list-style-type: none">Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation		

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