



# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July '17

## Peren District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 29<sup>o</sup>C to 32<sup>o</sup>C and 21<sup>o</sup>C to 25<sup>o</sup>C, respectively.
- Relative humidity varied from 45% to 95%.
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 23<sup>rd</sup> July '17

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 32<sup>o</sup>C - 35<sup>o</sup>C and the **min temp** 24<sup>o</sup>C to 25<sup>o</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 44% to 97%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southeasterly

### Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### Horticultural crop

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>

		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i></li> <li>➤ <i>Remove regularly the attacked fruits and bury deep in the soil.</i></li> </ul>
<b>Cucurbits</b>	Flowering to fruiting stage	Powdery mildew	<i>Remove the infected leaves</i>
		Stink bug	<i>Maintain proper sanitation as they are mostly found in weedy areas.</i>
			<ul style="list-style-type: none"> <li>➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i></li> </ul>
<b>Brinjal</b>	Flowering to fruiting stage		<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and intercultural operation should be done.</i></li> </ul>
		Wilt	<ul style="list-style-type: none"> <li>➤ <i>Remove and destroy the affected plant</i></li> <li>➤ <i>Proper drainage should be maintained in the field</i></li> </ul>
<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and earthing up should be done</i></li> <li>➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i></li> <li>➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></li> </ul>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b>Ginger / turmeric</b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>
<b>Livestock</b>			
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			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>		



	<b><i>Fisheries</i></b>
	Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

#### 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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6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July'17 Phek District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 28<sup>o</sup>C to 32<sup>o</sup>C and 20<sup>o</sup>C to 23<sup>o</sup>C, respectively.
- Relative humidity varied from 45% to 95%.
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 23<sup>rd</sup> July'17

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 30<sup>o</sup>C - 35<sup>o</sup>C and the **min temp** 25<sup>o</sup>C to 26<sup>o</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 55% to 95%.
- **Wind speed** may reach upto 1- 2 kmph  
**Wind direction** will be mostly southeasterly

### Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### Horticultural crop

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
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<b>Okra</b>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ Remove and burn the infected plants from the field</li> <li>➤ Remove the unwanted weed host from the field</li> <li>➤ If the infection is severe, spray imidacloprid at 1ml/lit of water</li> </ul>
		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</li> <li>➤ Remove regularly the attacked fruits and bury deep in the soil.</li> </ul>
<b>Cucurbits</b>	Flowering to fruiting stage	Powdery mildew	Remove the infected leaves
		Stink bug	Maintain proper sanitation as they are mostly found in weedy areas.
			<ul style="list-style-type: none"> <li>➤ For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</li> </ul>
<b>Brinjal</b>	Flowering to fruiting stage		<ul style="list-style-type: none"> <li>➤ Timely weeding and intercultural operation should be done.</li> </ul>
		Wilt	<ul style="list-style-type: none"> <li>➤ Remove and destroy the affected plant</li> <li>➤ Proper drainage should be maintained in the field</li> </ul>
<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	<ul style="list-style-type: none"> <li>➤ Timely weeding and earthing up should be done</li> <li>➤ Virus infected plants should be removed or uprooted and buried into the soil</li> <li>➤ Daily monitoring should be done for insect pest and need based neem oil should be spray</li> </ul>
<b>Fruit trees</b>			Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.
<b>Ginger / turmeric</b>	Vegetative stage	-	Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw
<b>Livestock</b>			
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			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> </ul>		

		<ul style="list-style-type: none"> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>
		<b><i>Fisheries</i></b>
		Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July '17

## Tuensang District

Bulletin No:55/2017

### *Weather summary of the preceding week*

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 28<sup>o</sup>C to 32<sup>o</sup>C and 22<sup>o</sup>C to 24<sup>o</sup>C, respectively.
- Relative humidity varied from 51% to 95%.
- Wind speed ranged from 1 to 2 kmph

### *Weather forecast valid upto 23<sup>rd</sup> July '17*

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 30<sup>o</sup>C - 35<sup>o</sup>C and the **min temp** 24<sup>o</sup>C to 26<sup>o</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 63% to 95%.
- **Wind speed** may reach upto 2 - 3 kmph
- **Wind direction** will be mostly southeasterly

### *Field crops*

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### *Horticultural crop*

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>
		Spotted	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i></li> </ul>

			bollworm	➤ Remove regularly the attacked fruits and bury deep in the soil.
<b>Cucurbits</b>	Flowering to fruiting stage		Powdery mildew	Remove the infected leaves
			Stink bug	Maintain proper sanitation as they are mostly found in weedy areas.
				➤ For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.
<b>Brinjal</b>	Flowering to fruiting stage			➤ Timely weeding and intercultural operation should be done.
			Wilt	➤ Remove and destroy the affected plant ➤ Proper drainage should be maintained in the field
<b>Naga king chilli</b>	Flowering to fruiting stage		viral disease	➤ Timely weeding and earthing up should be done ➤ Virus infected plants should be removed or uprooted and buried into the soil ➤ Daily monitoring should be done for insect pest and neem based oil should be spray
<b>Fruit trees</b>				Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.
<b>Ginger / turmeric</b>	Vegetative stage		-	Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw
<b>Livestock</b>				
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				
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>			
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>			
<b>Fisheries</b>				



Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

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# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July '17

## Wokha District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 28<sup>o</sup>C to 32<sup>o</sup>C and 19<sup>o</sup>C to 23<sup>o</sup>C, respectively.
- Relative humidity varied from 47% to 94%.
- Wind speed ranged from 2 to 4 kmph

### Weather forecast valid upto 23<sup>rd</sup> July '17

- Probability of light rain the coming week.
- **Max temp** is likely to be 29<sup>o</sup>C - 35<sup>o</sup>C and the **min temp** 24<sup>o</sup>C to 26<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 50% to 91%.
- **Wind speed** may reach upto 2- 4 kmph
- **Wind direction** will be mostly southeasterly

### Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### Horticultural crop

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>

			Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes. Remove regularly the attacked fruits and bury deep in the soil.</i></li> </ul>
<b>Cucurbits</b>	Flowering to fruiting stage		Powdery mildew	<i>Remove the infected leaves</i>
			Stink bug	<i>Maintain proper sanitation as they are mostly found in weedy areas.</i>
				<ul style="list-style-type: none"> <li>➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i></li> </ul>
<b>Brinjal</b>	Flowering to fruiting stage			<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and intercultural operation should be done.</i></li> </ul>
			Wilt	<ul style="list-style-type: none"> <li>➤ <i>Remove and destroy the affected plant</i></li> <li>➤ <i>Proper drainage should be maintained in the field</i></li> </ul>
<b>Naga king chilli</b>	Flowering to fruiting stage		viral disease	<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and earthing up should be done</i></li> <li>➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i></li> <li>➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></li> </ul>
<b>Fruit trees</b>				<i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b>Ginger / turmeric</b>	Vegetative stage		-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>
<b>Livestock</b>				
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				
<b>Poultry</b>				<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>
<b>Piggery</b>				<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> </ul>



- During this season, stay ready to combat diarrhoea with medication

### ***Fisheries***

Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

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भारत कृषि अनुसंधान संस्थान  
ICAR - RCNEH

## Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July'17 Zunheboto District

Bulletin No:55/2017

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 23<sup>rd</sup> July'17</i>	
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Maximum and minimum temperatures ranged 29<sup>o</sup>C to 33<sup>o</sup>C and 21<sup>o</sup>C to 24<sup>o</sup>C, respectively.</li> <li>▪ Relative humidity varied from 49% to 95%.</li> <li>▪ Wind speed ranged from 1 to 2 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate rain the coming week.</li> <li>▪ <b>Max temp</b> is likely to be 30<sup>o</sup>C - 35<sup>o</sup>C and the <b>min temp</b> 25<sup>o</sup>C to 26<sup>o</sup>C</li> <li>▪ <b>Sky is likely to be partly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 56% to 95%.</li> <li>▪ <b>Wind speed</b> may reach upto 2- 3 kmph</li> <li>▪ <b>Wind direction</b> will be mostly southeasterly</li> </ul>	
<b>Field crops</b>			
Proper drainage should be maintained in the field.			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>
<b>Horticultural crop</b>			
Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them			
<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>

		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes. Remove regularly the attacked fruits and bury deep in the soil.</i></li> </ul>
<b>Cucurbits</b>	Flowering to fruiting stage	Powdery mildew	<i>Remove the infected leaves</i>
		Stink bug	<i>Maintain proper sanitation as they are mostly found in weedy areas.</i>
			<ul style="list-style-type: none"> <li>➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i></li> </ul>
<b>Brinjal</b>	Flowering to fruiting stage		<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and intercultural operation should be done.</i></li> </ul>
		Wilt	<ul style="list-style-type: none"> <li>➤ <i>Remove and destroy the affected plant</i></li> <li>➤ <i>Proper drainage should be maintained in the field</i></li> </ul>
<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and earthing up should be done</i></li> <li>➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i></li> <li>➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></li> </ul>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree. Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b>Ginger / turmeric</b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>
<b>Livestock</b>			
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			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>		
<b>Fisheries</b>			



Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

### 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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6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
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# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July '17

## Dimapur District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 25<sup>o</sup>C to 34<sup>o</sup>C and 23<sup>o</sup>C to 25<sup>o</sup>C, respectively.
- Relative humidity varied from 52% to 96%.
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 23<sup>rd</sup> July '17

- Probability of light rain the coming week.
- **Max temp** is likely to be 30<sup>o</sup>C - 35<sup>o</sup>C and the **min temp** 24<sup>o</sup>C to 26<sup>o</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 45% to 95%.
- **Wind speed** may reach upto 2- 3 kmph
- **Wind direction** will be mostly southeasterly

### Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### Horticultural crop

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>
		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i></li> </ul> <p style="text-align: center;"><i>Remove regularly the attacked fruits and bury deep in the soil.</i></p>

<b>Cucurbits</b>	Flowering to fruiting stage	Powdery mildew	<i>Remove the infected leaves</i>	
		Stink bug	➤ <i>Maintain proper sanitation as they are mostly found in weedy areas.</i>	
			➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i>	
	<b>Brinjal</b>	Flowering to fruiting stage		➤ <i>Timely weeding and intercultural operation should be done.</i>
			Wilt	➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
	<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	➤ <i>Timely weeding and earthing up should be done</i> ➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i> ➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree</i> <i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>	
<b>Ginger / turmeric</b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>	
<b>Livestock</b>				
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				
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>			
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>			
<b>Fisheries</b>				
	Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken			



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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July '17

## Kiphire District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 30<sup>o</sup>C to 32<sup>o</sup>C and 21<sup>o</sup>C to 24<sup>o</sup>C, respectively.
- Relative humidity varied from 52% to 95%.
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 23<sup>rd</sup> July '17

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 30<sup>o</sup>C - 36<sup>o</sup>C and the **min temp** 24<sup>o</sup>C to 26<sup>o</sup>C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 60% to 91%.
- **Wind speed** may reach upto 2- 3kmph
- **Wind direction** will be mostly southeasterly

### *Field crops*

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### *Horticultural crop*

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>
		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes. Remove regularly the attacked fruits and bury deep in the soil.</i></li> </ul>
<i>Cucurbits</i>	Flowering to	Powdery	<i>Remove the infected leaves</i>

	fruiting stage	mildew	
		Stink bug	<i>Maintain proper sanitation as they are mostly found in weedy areas.</i>
			➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i>
<b>Brinjal</b>	Flowering to fruiting stage		➤ <i>Timely weeding and intercultural operation should be done.</i>
		Wilt	➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	➤ <i>Timely weeding and earthing up should be done</i> ➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i> ➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree</i> <i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b>Ginger / turmeric</b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>

### ***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

<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>

### ***Fisheries***



Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

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## Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July'17 Kohima District

Bulletin No:55/2017

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 23<sup>rd</sup> July'17</i>	
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Maximum and minimum temperatures ranged 24<sup>o</sup>C to 28<sup>o</sup>C and 16<sup>o</sup>C to 18<sup>o</sup>C, respectively.</li> <li>▪ Relative humidity varied from 55% to 98%.</li> <li>▪ Wind speed ranged from 1 to 2 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of heavy rain the coming week.</li> <li>▪ <b>Max temp</b> is likely to be 30<sup>o</sup>C - 31<sup>o</sup>C and the <b>min temp</b> 18<sup>o</sup>C to 19<sup>o</sup>C</li> <li>▪ <b>Sky is likely to be partly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 44% to 95%.</li> <li>▪ <b>Wind speed</b> may reach upto 1- 2 kmph</li> <li>▪ <b>Wind direction</b> will be southeasterly</li> </ul>	
<p><b>Field crops</b></p> <p>Proper drainage should be maintained in the field.</p>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>
<p><b>Horticultural crop</b></p> <p>Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them</p>			
<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>

<b>Okra</b>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ Remove and burn the infected plants from the field</li> <li>➤ Remove the unwanted weed host from the field</li> <li>➤ If the infection is severe, spray imidacloprid at 1ml/lit of water</li> </ul>
		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</li> <li>➤ Remove regularly the attacked fruits and bury deep in the soil.</li> </ul>
<b>Cucurbits</b>	Flowering to fruiting stage	Powdery mildew	Remove the infected leaves
		Stink bug	Maintain proper sanitation as they are mostly found in weedy areas.
			<ul style="list-style-type: none"> <li>➤ For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</li> </ul>
<b>Brinjal</b>	Flowering to fruiting stage		<ul style="list-style-type: none"> <li>➤ Timely weeding and intercultural operation should be done.</li> </ul>
		Wilt	<ul style="list-style-type: none"> <li>➤ Remove and destroy the affected plant</li> </ul> Proper drainage should be maintained in the field
<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	<ul style="list-style-type: none"> <li>➤ Timely weeding and earthing up should be done</li> <li>➤ Virus infected plants should be removed or uprooted and buried into the soil</li> <li>➤ Daily monitoring should be done for insect pest and need based neem oil should be spray</li> </ul>
<b>Fruit trees</b>			Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.
<b>Ginger / turmeric</b>	Vegetative stage	-	Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw
<b>Livestock</b>			
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			
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>		
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> </ul>		

		<ul style="list-style-type: none"> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>
		<b><i>Fisheries</i></b>
		Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

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# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July'17

## Longleng District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 29<sup>o</sup>C to 34<sup>o</sup>C and 21<sup>o</sup>C to 24<sup>o</sup>C, respectively.
- Relative humidity varied from 47% to 93%.
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 23<sup>rd</sup> July'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 32<sup>o</sup>C - 36<sup>o</sup>C and the **min temp** 25<sup>o</sup>C to 26<sup>o</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 53% to 95%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southeasterly

### Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### Horticultural crop

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>

		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i></li> <li>➤ <i>Remove regularly the attacked fruits and bury deep in the soil.</i></li> </ul>
<b><i>Cucurbits</i></b>	Flowering to fruiting stage	Powdery mildew	<i>Remove the infected leaves</i>
		Stink bug	<i>Maintain proper sanitation as they are mostly found in weedy areas.</i>
			<ul style="list-style-type: none"> <li>➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i></li> </ul>
<b><i>Brinjal</i></b>	Flowering to fruiting stage		<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and intercultural operation should be done.</i></li> </ul>
		Wilt	<ul style="list-style-type: none"> <li>➤ <i>Remove and destroy the affected plant</i></li> <li>➤ <i>Proper drainage should be maintained in the field</i></li> </ul>
<b><i>Naga king chilli</i></b>	Flowering to fruiting stage	viral disease	<ul style="list-style-type: none"> <li>➤ <i>Timely weeding and earthing up should be done</i></li> <li>➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i></li> <li>➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i></li> </ul>
<b><i>Fruit trees</i></b>			<i>Maintain proper sanitation in and around the vicinity of the tree Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b><i>Ginger / turmeric</i></b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>
<b><i>Livestock</i></b>			
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			
<b><i>Poultry</i></b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>		
<b><i>Piggery</i></b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> </ul>		

- During this season, stay ready to combat diarrhoea with medication

### *Fisheries*

Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken



## SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



# Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July'17

## Mokokchung District

Bulletin No:55/2017

### Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 29<sup>o</sup>C to 33<sup>o</sup>C and 20<sup>o</sup>C to 24<sup>o</sup>C, respectively.
- Relative humidity varied from 65% to 96%.
- Wind speed ranged from 1 to 2 kmph

### Weather forecast valid upto 23<sup>rd</sup> July'17

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 32<sup>o</sup>C - 35<sup>o</sup>C and the **min temp** 24<sup>o</sup>C to 25<sup>o</sup>C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 53% to 95%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southeasterly

### Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>

### Horticultural crop

Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>
		Spotted bollworm	<ul style="list-style-type: none"> <li>➤ <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i></li> <li>➤ <i>Remove regularly the attacked fruits and bury deep in the soil.</i></li> </ul>

<b>Cucurbits</b>	Flowering to fruiting stage	Powdery mildew	<i>Remove the infected leaves</i>
		Stink bug	<i>Maintain proper sanitation as they are mostly found in weedy areas.</i>
			➤ <i>For trailing, dried twigs can be spread on the ground. Weeding should be done whenever necessary.</i>
<b>Brinjal</b>	Flowering to fruiting stage		➤ <i>Timely weeding and intercultural operation should be done.</i>
		Wilt	➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	➤ <i>Timely weeding and earthing up should be done</i> ➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i> ➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree</i> <i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>
<b>Ginger / turmeric</b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>

### **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

<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> <li>• Make sure that the birds stay warm and cool.</li> <li>• On very sunny and humid days provide electrolytes to replenish their lost nutrients</li> </ul>
<b>Piggery</b>	<ul style="list-style-type: none"> <li>• Deworm piglets and adult animals on time</li> <li>• Vaccinate against FMD and CSF (Classical Swine Fever)</li> <li>• Provide multivitamins and minerals during stress periods (hot periods, farrowing periods etc)</li> <li>• During this season, stay ready to combat diarrhoea with medication</li> </ul>

### **Fisheries**



Conduct inspection every morning, noon and evening to check fish activities, fish appetite, whether there is residual fish feed in the pond, whether the fish come to the surface to breathe and whether there are unusual changes caused by sudden weather changes. By keeping watch, problems can be detected early and prompt remedial actions can be taken

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## Integrated Agromet Advisory Service Bulletin from 19<sup>th</sup> to 23<sup>rd</sup> July'17 Mon District

Bulletin No:55/2017

<i>Weather summary of the preceding week</i>		<i>Weather forecast valid upto 23<sup>rd</sup> July'17</i>	
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Maximum and minimum temperatures ranged 27<sup>o</sup>C to 34<sup>o</sup>C and 21<sup>o</sup>C to 24<sup>o</sup>C, respectively.</li> <li>▪ Relative humidity varied from 57% to 94%</li> <li>▪ Wind speed ranged from 1 to 2 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate rain the coming week.</li> <li>▪ <b>Max temp</b> is likely to be 33<sup>o</sup>C - 35<sup>o</sup>C and the <b>min temp</b> 24<sup>o</sup>C to 25<sup>o</sup>C</li> <li>▪ <b>Sky is likely to be partly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 56% to 95%.</li> <li>▪ <b>Wind speed</b> may reach upto 2- 3 kmph</li> <li>▪ <b>Wind direction</b> will be mostly southeasterly</li> </ul>	
<b>Field crops</b>			
Proper drainage should be maintained in the field.			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	<i>If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>In case some transplanted rice plants are washed away due to heavy rainfall, immediate gap filling can be undertaken. However, in case nurseries are not available, the farmers may go for direct sowing of rice using zero Till.</i>
<i>Kharif maize</i>	Silking stage	Stem borer	<i>The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.</i>
<i>Green gram</i>	Maturity stage		<i>Good drainage may be given to manage soil borne root diseases</i>
<b>Horticultural crop</b>			
Water logging in the field should be completely avoided since stagnation of water predisposes the plant to infection. Provide proper drainage and keep land free from weeds at all times. Collect the diseased material as and when the disease is noticed and burn them			
<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> <li>➤ <i>In citrus orchard, destroy the ant colonies (black ants) as they act as the carriers of mealy bug. The affected plants become pale, wilt and may die also. In heavily attacked plants, citrus fruits do not set.</i></li> <li>➤ <i>Timely weeding should be carried out</i></li> </ul>
<i>Okra</i>	Fruiting to maturity stage	Yellow vein mosaic	<ul style="list-style-type: none"> <li>➤ <i>Remove and burn the infected plants from the field</i></li> <li>➤ <i>Remove the unwanted weed host from the field</i></li> <li>➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i></li> </ul>
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	<b>Brinjal</b>	Flowering to fruiting stage		➤ <i>Timely weeding and intercultural operation should be done.</i>
			Wilt	➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
	<b>Naga king chilli</b>	Flowering to fruiting stage	viral disease	➤ <i>Timely weeding and earthing up should be done</i> ➤ <i>Virus infected plants should be removed or uprooted and buried into the soil</i> ➤ <i>Daily monitoring should be done for insect pest and need based neem oil should be spray</i>
<b>Fruit trees</b>			<i>Maintain proper sanitation in and around the vicinity of the tree</i> <i>Prune trees immediately after harvesting. Grow seasonal crops in inter spaces.</i>	
<b>Ginger / turmeric</b>	Vegetative stage	-	<i>Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw</i>	
<b>Livestock</b>				
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				
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