



Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17

Kohima District

Bulletin No:40/2017

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27^oC to 31^oC and 15^oC to 22^oC, respectively.
- Relative humidity varied from 31% to 92%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 31st May'17


- Probability of light rain the coming week.
- **Max temp** is likely to be 26^oC - 27^oC and the **min temp** 16^oC to 17^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 34% to 97%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southwesterly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Leaf folder	<i>To prevent the development of leaf folder, remove grass weeds from in and around the paddy fields.</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>

Horticultural crop

<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>

		Soft rot of potato	<ul style="list-style-type: none"> ➤ Avoid the injury to the tubers during earthing up and harvesting ➤ Dig out and burn the affected plant
Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
		Wilt	<ul style="list-style-type: none"> ➤ Remove and destroy the affected plant <i>Proper drainage should be maintained in the field</i>
Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease ➤ Uproot the infected plants and bury diseased plants or burn it ➤ Pinch the tip of the plants to encourage more lateral shoot development ➤ For plants infected with leaf curl, it should be removed from the field immediately
Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock			
Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
3	Ph. Romen Sharma	Scientist	Agricultural Extension	romen.agext@gmail.com
4	Dr. Rajesha G	Scientist	Plant Pathology	rajeshag337@gmail.com
5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
6	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal & Aromatic Plants	azezeseyie@yahoo.com
7	Jyotish Barman	Scientist	Fisheries Resource Management	jyotish5@gmail.com
8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com




भा क अनुष - पु प सं
ICAR - RCNEH

ICAR RESEARCH COMPLEX FOR NEH REGION
(Indian Council of Agricultural Research)
NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17 Longleng District

Bulletin No:40/2017

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 31st May'17</i>
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^oC to 33^oC and 22^oC to 23^oC, respectively. ▪ Relative humidity varied from 35% to 92%. ▪ Wind speed ranged from 1 to 2 kmph 			<ul style="list-style-type: none"> ▪ Probability of light rain the coming week. ▪ Max temp is likely to be 29^oC - 31^oC and the min temp 23^oC to 25^oC ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 39% to 89%. ▪ Wind speed may reach upto 1- 2 kmph ▪ Wind direction will be mostly southeasterly
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Leaf folder	<i>To prevent the development of leaf folder, remove grass weeds from in and around the paddy fields.</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>
<i>Horticultural crop</i>			
<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>
	Soft rot of	<ul style="list-style-type: none"> ➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> 	

		potato	➤ Dig out and burn the affected plant
Cucurbits	Vegetative stage	Powdery mildew	Remove the infected leaves
Brinjal	Vegetative stage		Timely weeding and intercultural operation should be done.
		Wilt	<ul style="list-style-type: none"> ➤ Remove and destroy the affected plant ➤ Proper drainage should be maintained in the field
Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease ➤ Uproot the infected plants and bury diseased plants or burn it ➤ Pinch the tip of the plants to encourage more lateral shoot development ➤ For plants infected with leaf curl, it should be removed from the field immediately
Fruit trees			Maintain proper sanitation in and around the vicinity of the tree
Ginger / turmeric	Vegetative stage	-	Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw
Livestock			
Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		

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



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Mokokchung District

Bulletin No:40/2017

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 31^oC to 32^oC and 21^oC to 23^oC, respectively.
- Relative humidity varied from 34% to 90%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 31st May'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 29^oC - 31^oC and the **min temp** 23^oC to 24^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 39% to 90%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be southeasterly

Field crops

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%</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Good drainage may be given to manage soil borne root diseases</i>

Horticultural crop

<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>
		Soft rot of	<ul style="list-style-type: none"> ➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> ➤ <i>Dig out and burn the affected plant</i>

		potato	
Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
		Wilt	<ul style="list-style-type: none"> ➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ <i>Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease</i> ➤ <i>Uproot the infected plants and bury diseased plants or burn it</i> ➤ <i>Pinch the tip of the plants to encourage more lateral shoot development</i> ➤ <i>For plants infected with leaf curl, it should be removed from the field immediately</i>
Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock			
Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		



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Bulletin No:40/2017

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 31st May'17</i>
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^oC to 33^oC and 20^oC to 22^oC, respectively. ▪ Relative humidity varied from 36% to 92% ▪ Wind speed ranged from 1 to 2 kmph 			<ul style="list-style-type: none"> ▪ Probability of light rain the coming week. ▪ Max temp is likely to be 29^oC - 31^oC and the min temp 23^oC to 24^oC ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 38% to 90%. ▪ Wind speed may reach upto 1- 2 kmph ▪ Wind direction will be mostly southeasterly
<i>Field crops</i>			
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%</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Good drainage may be given to manage soil borne root diseases</i>
<i>Horticultural crop</i>			
<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>
		Soft rot of potato	<ul style="list-style-type: none"> ➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> ➤ <i>Dig out and burn the affected plant</i>

Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
		Wilt	<ul style="list-style-type: none"> ➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ <i>Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease</i> ➤ <i>Uproot the infected plants and bury diseased plants or burn it</i> ➤ <i>Pinch the tip of the plants to encourage more lateral shoot development</i> ➤ <i>For plants infected with leaf curl, it should be removed from the field immediately</i>
Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock			
Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		

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Peren District

Bulletin No:40/2017

Weather summary of the preceding week

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- **Max temp** is likely to be 31^oC - 34^oC and the **min temp** 22^oC to 23^oC
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- **Relative Humidity** is likely to range from 35% to 95%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southeasterly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Leaf folder	<i>To prevent the development of leaf folder, remove grass weeds from in and around the paddy fields.</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>

Horticultural crop

<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
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		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>

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Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17 Phek District

Bulletin No:40/2017

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 31st May'17</i>
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Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
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<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>
<i>Horticultural crop</i>			
<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30⁰C to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight	➤ <i>Provide proper earthing up</i>

		of potato	➤ <i>Delayed harvesting may be avoided</i>
		Soft rot of potato	➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> ➤ <i>Dig out and burn the affected plant</i>
<i>Cucurbits</i>	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
<i>Brinjal</i>	Vegetative 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>
<i>Naga king chilli</i>	Vegetative stage	White flies, aphids, viral disease, leaf curl	➤ <i>Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease</i> ➤ <i>Uproot the infected plants and bury diseased plants or burn it</i> ➤ <i>Pinch the tip of the plants to encourage more lateral shoot development</i> ➤ <i>For plants infected with leaf curl, it should be removed from the field immediately</i>
<i>Fruit trees</i>			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
<i>Ginger / turmeric</i>	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
<i>Livestock</i>			
<i>Poultry</i>	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
<i>Piggery</i>	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
<i>Fisheries</i>			



- Apply lime as per recommended dose depending on the pH
- After 15 days of lime application, apply cow dung and wait till the pond water turns green.
- Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature.

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
7	Jyotish Barman	Scientist	Fisheries Resource Management	jyotish5@gmail.com
8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17

Tuensang District

Bulletin No:40/2017

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 30^oC to 32^oC and 20^oC to 23^oC, respectively.
- Relative humidity varied from 37% to 95%.
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 31st May'17


- Probability of light rain the coming week.
- **Max temp** is likely to be 28^oC - 32^oC and the **min temp** 23^oC to 24^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 40% to 95%.
- **Wind speed** may reach upto 1 - 2 kmph
- **Wind direction** will be mostly southeasterly

Field crops

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%</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Good drainage may be given to manage soil borne root diseases</i>

Horticultural crop

<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>
	Soft rot of	<ul style="list-style-type: none"> ➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> ➤ <i>Dig out and burn the affected plant</i> 	

		potato	
Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
		Wilt	<ul style="list-style-type: none"> ➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ <i>Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease</i> ➤ <i>Uproot the infected plants and bury diseased plants or burn it</i> ➤ <i>Pinch the tip of the plants to encourage more lateral shoot development</i> ➤ <i>For plants infected with leaf curl, it should be removed from the field immediately</i>
Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock			
Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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7	Jyotish Barman	Scientist	Fisheries Resource Management	jyotish5@gmail.com
8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17

Wokha District

Bulletin No:40/2017

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 29^oC to 32^oC and 21^oC to 23^oC, respectively.
- Relative humidity varied from 31% to 93%.
- Wind speed ranged from 2 to 4 kmph

Weather forecast valid upto 31st May'17

- Probability of light rain the coming week.
- **Max temp** is likely to be 30^oC - 32^oC and the **min temp** 22^oC to 24^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 37% to 90%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southeasterly

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Leaf folder	<i>To prevent the development of leaf folder, remove grass weeds from in and around the paddy fields.</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>

Horticultural crop

<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>

			Soft rot of potato	<ul style="list-style-type: none"> ➤ Avoid the injury to the tubers during earthing up and harvesting ➤ Dig out and burn the affected plant
	Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
	Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
			Wilt	<ul style="list-style-type: none"> ➤ Remove and destroy the affected plant ➤ Proper drainage should be maintained in the field
	Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease ➤ Uproot the infected plants and bury diseased plants or burn it ➤ Pinch the tip of the plants to encourage more lateral shoot development ➤ For plants infected with leaf curl, it should be removed from the field immediately
	Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
	Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock				
	Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
	Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries				
		<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		



SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
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ICAR RESEARCH COMPLEX FOR NEH REGION
(Indian Council of Agricultural Research)
NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17 Zunheboto District

Bulletin No:40/2017

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 31st May'17</i>
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^oC to 33^oC and 21^oC to 23^oC, respectively. ▪ Relative humidity varied from 34% to 95%. ▪ Wind speed ranged from 1 to 2 kmph 			<ul style="list-style-type: none"> ▪ Probability of light rain the coming week. ▪ Max temp is likely to be 29^oC - 32^oC and the min temp 22^oC to 24^oC ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 36% to 93%. ▪ Wind speed may reach upto 1- 2 kmph ▪ Wind direction will be mostly southeasterly
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Leaf folder	<i>To prevent the development of leaf folder, remove grass weeds from in and around the paddy fields.</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>
<i>Horticultural crop</i>			
<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>

			Soft rot of potato	<ul style="list-style-type: none"> ➤ Avoid the injury to the tubers during earthing up and harvesting ➤ Dig out and burn the affected plant
	Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
	Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
			Wilt	<ul style="list-style-type: none"> ➤ Remove and destroy the affected plant ➤ Proper drainage should be maintained in the field
	Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease ➤ Uproot the infected plants and bury diseased plants or burn it ➤ Pinch the tip of the plants to encourage more lateral shoot development ➤ For plants infected with leaf curl, it should be removed from the field immediately
	Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
	Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock				
	Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
	Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries				
		<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		

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Integrated Agromet Advisory Service Bulletin from 27th to 31st May '17

Dimapur District

Bulletin No:40/2017

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26^oC to 33^oC and 18^oC to 22^oC, respectively.
- Relative humidity varied from 30% to 94%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 31st May '17


- Probability of light rain the coming week.
- **Max temp** is likely to be 32^oC - 33^oC and the **min temp** 22^oC to 24^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 34% to 81%.
- **Wind speed** may reach upto 1- 2 kmph
- **Wind direction** will be mostly southeasterly

Field crops

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%</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Good drainage may be given to manage soil borne root diseases</i>

Horticultural crop

<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>
		Soft rot of potato	<ul style="list-style-type: none"> ➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> ➤ <i>Dig out and burn the affected plant</i>

Cucurbits	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
Brinjal	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
		Wilt	<ul style="list-style-type: none"> ➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
Naga king chilli	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ <i>Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease</i> ➤ <i>Uproot the infected plants and bury diseased plants or burn it</i> ➤ <i>Pinch the tip of the plants to encourage more lateral shoot development</i> ➤ <i>For plants infected with leaf curl, it should be removed from the field immediately</i>
Fruit trees			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
Ginger / turmeric	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
Livestock			
Poultry	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
Piggery	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
Fisheries			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature 		

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ICAR RESEARCH COMPLEX FOR NEH REGION
(Indian Council of Agricultural Research)
NAGALAND CENTER, JHARNAPANI, MEDZIPHEMA

Integrated Agromet Advisory Service Bulletin from 27th to 31st May'17 Kiphire District

Bulletin No:40/2017

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 31st May'17</i>
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^oC to 33^oC and 20^oC to 23^oC, respectively. ▪ Relative humidity varied from 36% to 95%. ▪ Wind speed ranged from 1 to 2 kmph 			<ul style="list-style-type: none"> ▪ Probability of light rain the coming week. ▪ Max temp is likely to be 29^oC - 32^oC and the min temp 23^oC to 26^oC ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 39% to 90%. ▪ Wind speed may reach upto 1- 2 kmph ▪ Wind direction will be mostly southeasterly
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum paddy</i>	Vegetative stage	Leaf folder	<i>To prevent the development of leaf folder, remove grass weeds from in and around the paddy fields.</i>
<i>TRC/WRC paddy</i>			<i>Crop rotation should be adopted to break the cycle between insect pests or pathogen and host plant.</i>
<i>Summer maize</i>	Vegetative stage		<i>Maintain proper drainage in the field. As there is probability of rain this week too, after weeding, earthing up should be done.</i>
<i>Green gram</i>	Vegetative stage		<i>Proper monitoring should be done for any pest and diseases</i>
<i>Horticultural crop</i>			
<i>Mandarin</i>			<i>Maintain proper sanitation in the orchard</i>
<i>Okra</i>	Flowering to fruiting stage	Yellow vein mosaic	<ul style="list-style-type: none"> ➤ <i>Remove and burn the infected plants from the field</i> ➤ <i>Remove the unwanted weed host from the field</i> ➤ <i>If the infection is severe, spray imidacloprid at 1ml/lit of water</i>
<i>Potato</i>	Harvesting stage		<i>Harvest before temperature reaches 30^oC to avoid rotting of tuber due to high temperature. Keep the harvested potato in heap for 10-15 days for curing of skin.</i>
		Late blight of potato	<ul style="list-style-type: none"> ➤ <i>Provide proper earthing up</i> ➤ <i>Delayed harvesting may be avoided</i>
		Soft rot of potato	<ul style="list-style-type: none"> ➤ <i>Avoid the injury to the tubers during earthing up and harvesting</i> ➤ <i>Dig out and burn the affected plant</i>

<i>Cucurbits</i>	Vegetative stage	Powdery mildew	<i>Remove the infected leaves</i>
<i>Brinjal</i>	Vegetative stage		<i>Timely weeding and intercultural operation should be done.</i>
		Wilt	<ul style="list-style-type: none"> ➤ <i>Remove and destroy the affected plant</i> ➤ <i>Proper drainage should be maintained in the field</i>
<i>Naga king chilli</i>	Vegetative stage	White flies, aphids, viral disease, leaf curl	<ul style="list-style-type: none"> ➤ <i>Spray neem oil to the plants to control white flies infestation and thereby prevent viral disease</i> ➤ <i>Uproot the infected plants and bury diseased plants or burn it</i> ➤ <i>Pinch the tip of the plants to encourage more lateral shoot development</i> ➤ <i>For plants infected with leaf curl, it should be removed from the field immediately</i>
<i>Fruit trees</i>			<i>Maintain proper sanitation in and around the vicinity of the tree</i>
<i>Ginger / turmeric</i>	Vegetative stage	-	<i>Timely earthing up and weeding should be done. Mulch the plant with dry leaves and straw</i>
<i>Livestock</i>			
<i>Poultry</i>	<ul style="list-style-type: none"> ➤ Provide fan in the adult poultry house ➤ Protect the birds from rain ➤ Keep the litter material dry ➤ Give electrolyte in drinking water to birds of 1-6 weeks. 		
<i>Piggery</i>	<ul style="list-style-type: none"> ➤ Vaccinate against swine fever ➤ Maintain hygiene in pig house to protect from diarrhea ➤ Deworm the animal at 3 month interval ➤ Do AI, if animal comes into heat 		
<i>Fisheries</i>			
	<ul style="list-style-type: none"> ➤ Apply lime as per recommended dose depending on the pH ➤ After 15 days of lime application, apply cow dung and wait till the pond water turns green. ➤ Put some aquatic plant in one corner of the pond for sheltering stocked fish during high temperature. 		

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