Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17
Mokokchung District

Bulletin No:50/2017

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ICAR - RCNEH

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^0C to 32^0C and 20^0C to 23^0C, respectively. ▪ Relative humidity varied from 57% to 96%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 28^0C - 30^0C and the **min temp** 20^0C to 22^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 82% to 98%. ▪ **Wind speed** may reach upto 2- 3 kmph **Wind direction** will be southeasterly

Field crops

Proper drainage should be maintained in the field.

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Nursery		*Prepare the nursery by plowing at least twice and harrow at least once. Level the soil surface and put in drainage lines across the field. Broadcast seed in the nursery evenly, over the water covered soil surface* *Seed treatment should be done*
Kharif maize	Vegetative stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Flowering stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Flowering to fruiting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*
Cucurbits	Vegetative stage	Powdery	*Remove the infected leaves*

		mildew	
		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.*
Brinjal	Vegetative stage		➢ *Timely weeding and intercultural operation should be done.*
		Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
Naga king chilli	Vegetative stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray*
Fruit trees			*Maintain proper sanitation in and around the vicinity of the tree*
Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
Livestock Provide clean and cool drinking water to the animals			
Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea with medication		
	Fisheries		
	➢ 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

Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17
Mon District

Bulletin No:50/2017

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NAGALAND CENTER, JHARNAPANI,MEDZIPHEMA

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^0C to 34^0C and 20^0C to 23^0C, respectively. ▪ Relative humidity varied from 57% to 92% ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 28^0C - 29^0C and the **min temp** 21^0C to 24^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 86% to 98%. ▪ **Wind speed** may reach upto 2- 3 kmph **Wind direction** will be mostly easterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*
Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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

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

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Peren District

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NAGALAND CENTER, JHARNAPANI. MEDZIPHEMA

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 31^0C to 33^0C and 21^0C to 25^0C, respectively. ▪ Relative humidity varied from 45% to 95%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 27^0C - 32^0C and the **min temp** 22^0C to 24^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 70% to 98%. ▪ **Wind speed** may reach upto 1- 2 kmph **Wind direction** will be mostly southerly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted	➢ *In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.*

			bollworm	➢ *Remove regularly the attacked fruits and bury deep in the soil.*
	Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17

Phek District

Bulletin No:50/2017

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 28^0C to 31^0C and 20^0C to 22^0C, respectively. ▪ Relative humidity varied from 45% to 95%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 27^0C - 29^0C and the **min temp** 22^0C to 23^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 61% to 98%. ▪ **Wind speed** may reach upto 1- 2 kmph **Wind direction** will be mostly southeasterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted	➢ *In the present weather condition, spotted bollworm will be seen. The infested*

			bollworm	*fruits will have a varying number of holes.* ➢ *Remove regularly the attacked fruits and bury deep in the soil.*
	Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com

Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17

Tuensang District

Bulletin No:50/2017

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^0C to 32^0C and 21^0C to 22^0C, respectively. ▪ Relative humidity varied from 51% to 95%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 27^0C - 28^0C and the **min temp** 21^0C to 22^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 81% to 98%. ▪ **Wind speed** may reach upto 1 - 2 kmph ▪ **Wind direction** will be mostly southeasterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*
Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17
Wokha District

Bulletin No:50/2017

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Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 28^0C to 31^0C and 19^0C to 22^0C, respectively. ▪ Relative humidity varied from 47% to 94%. ▪ Wind speed ranged from 2 to 4 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 27^0C - 28^0C and the **min temp** 22^0C to 23^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 95% to 98%. ▪ **Wind speed** may reach upto 1- 2 kmph **Wind direction** will be mostly easterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*

	Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock			
	Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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
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
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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


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Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17

Zunheboto District

Bulletin No:50/2017

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^0C to 32^0C and 21^0C to 23^0C, respectively. ▪ Relative humidity varied from 49% to 95%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 27^0C - 28^0C and the **min temp** 22^0C to 23^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 87% to 98%. ▪ **Wind speed** may reach upto 1- 2 kmph **Wind direction** will be mostly southeasterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted	➢ *In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.*

			bollworm	*Remove regularly the attacked fruits and bury deep in the soil.*
	Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17
Dimapur District

Bulletin No:50/2017

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 27^0C to 35^0C and 23^0C to 25^0C, respectively. ▪ Relative humidity varied from 56% to 96%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of moderate rain the coming week. ▪ **Max temp** is likely to be 30^0C - 32^0C and the **min temp** 24^0C to 25^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 55% to 98%. ▪ **Wind speed** may reach upto 1- 2 kmph **Wind direction** will be mostly easterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*
Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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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 1st to 5th July'17

Kiphire District

Bulletin No:50/2017

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^0C to 31^0C and 21^0C to 24^0C, respectively. ▪ Relative humidity varied from 52% to 95%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of moderate rain the coming week. ▪ **Max temp** is likely to be 27^0C - 31^0C and the **min temp** 23^0C to 24^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 63% to 98%. ▪ **Wind speed** may reach upto 2- 3 kmph **Wind direction** will be mostly southeasterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*
Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17
Kohima District

Bulletin No:50/2017

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 24 ^{0}C to 28^{0}C and 16^{0}C to 17^{0}C, respectively. ▪ Relative humidity varied from 55% to 98%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of heavy rain the coming week. ▪ **Max temp** is likely to be 24^{0}C - 25^{0}C and the **min temp** 17^{0}C to 19^{0}C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 73% to 98%. ▪ **Wind speed** may reach upto 2- 3 kmph **Wind direction** will be southwesterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted	➢ *In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.*

			bollworm	➢ *Remove regularly the attacked fruits and bury deep in the soil.*
	Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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Integrated Agromet Advisory Service Bulletin from 1st to 5th July'17

Longleng District

Bulletin No:50/2017

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

Weather summary of the preceding week	*Weather forecast valid upto 5th July'17*
▪ Moderate rain occurred the past week ▪ Maximum and minimum temperatures ranged 30^0C to 34^0C and 21^0C to 24^0C, respectively. ▪ Relative humidity varied from 47% to 93%. ▪ Wind speed ranged from 1 to 2 kmph	▪ Probability of moderate rain the coming week. ▪ **Max temp** is likely to be 28^0C - 30^0C and the **min temp** 23^0C to 24^0C ▪ **Sky is likely to be cloudy** the coming week ▪ **Relative Humidity** is likely to range from 82% to 98%. ▪ **Wind speed** may reach upto 1- 3 kmph **Wind direction** will be mostly easterly

Field crops

Proper drainage should be maintained in the field.
Soybean and groundnut can be sown in upland condition

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum paddy	Tillering stage	Blast	*If the infection is severe, spray tricyclazole 0.1% at 12-15 days interval*
TRC/WRC paddy	Transplanting		*Transplanting should be done with appropriate crop management practices*
Kharif maize	Tasseling stage	Stem borer	*The prevalent weather is favourable for the development of stem borer. Removed the infested plant parts.*
Green gram	Podding stage		*Good drainage may be given to manage soil borne root diseases*
Horticultural crop			
Citrus	Flowering to fruiting stage	Mealy bug	➢ *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.* ➢ *Timely weeding should be carried out*
Okra	Fruiting to harvesting stage	Yellow vein mosaic	➢ *Remove and burn the infected plants from the field* ➢ *Remove the unwanted weed host from the field* ➢ *If the infection is severe, spray imidacloprid at 1ml/lit of water*
		Spotted bollworm	➢ *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.*

	Cucurbits	Flowering 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.*
	Brinjal	Flowering stage		➢ *Timely weeding, earthing up and intercultural operation should be done.*
			Wilt	➢ *Remove and destroy the affected plant* ➢ *Proper drainage should be maintained in the field*
	Naga king chilli	Flowering stage	viral disease	➢ *Timely weeding 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 need based neem oil should be spray* ➢ *Avoid water logging*
	Fruit trees			*Prune trees immediately after harvesting*
	Ginger / turmeric	Vegetative stage	-	*Timely earthing up and weeding/hoeing should be done. Mulch the plant with dry leaves and straw*
	Livestock Provide clean and cool drinking water to the animals			
	Poultry	➢ Ameliorate heat stress by providing ad libitum clean drinking water, trees should be planted near shed to provide shade as well as cool breeze ➢ Prevent water logging near poultry sheds to prevent mosquito breeding ➢ Follow regular deworming and vaccination schedule as per the diseases prevalent in the region		
	Piggery	➢ Vaccinate against FMD and CSF (Classical Swine Fever) ➢ Deworm piglets and adult animals in time ➢ During this season, always be ready to combat diarrhea 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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