



Integrated Agromet Advisory Service Bulletin from 14th to 18th July '18 Longleng District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 29⁰C and 19⁰C to 20⁰C, respectively.
- Relative humidity varied from 57% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 18th July 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 20⁰C to 21⁰C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 55% to 98%.
- **Wind speed** may reach upto 3- 4 kmph
- **Wind direction** will be southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum Paddy	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
TRC/WRC paddy	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
Green gram	Harvesting	-	<i>Timely harvesting should be done</i>
Maize	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

Citrus	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when</i>

				<i>using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"><i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i><i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	<i>Livestock</i>			
	Water stagnation should be avoided in livestock shed to avoid mosquito breeding Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">• Provide bulb in brooder house.• Maintain dry litter in poultry house• Provide lasota vaccine at 7 days and 30 days of age• Separate sick bird from healthy one		
Piggery	<ul style="list-style-type: none">• Vaccinate small piglet of one month of age against swine fever• Do Artificial Insemination in adult sow (pig)			
	<i>Fisheries</i>			
		<ul style="list-style-type: none">• Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH• Stock advance fingerling to get better production and provide feed daily.• Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes		

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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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
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 14th to 18th July '18 Mokokchung District

Bulletin No:56/2018

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 18th July 2018</i>
<ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 27⁰C to 29⁰C and 19⁰C to 20⁰C, respectively. Relative humidity varied from 57% to 93%. Wind speed ranged from 3 to 2 kmph 			<ul style="list-style-type: none"> Probability of heavy rain the coming week. Max temp is likely to be 27⁰C - 28⁰C and the min temp 20⁰C to 21⁰C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 56% to 99%. Wind speed may reach upto 3- 4 kmph Wind direction will be southeasterly
Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season			
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>
<i>Horticultural crop</i>			
<ul style="list-style-type: none"> Proper weeding, earthing up should be done and staking should be done for good production. 			
<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> 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
<i>Cucurbits</i>	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>

Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i> <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
Brinjal		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>
Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
<p style="text-align: center;">Livestock</p> <p style="text-align: center;">Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals</p>			
Poultry	<ul style="list-style-type: none"> Provide bulb in brooder house. Maintain dry litter in poultry house Provide lasota vaccine at 7 days and 30 days of age Separate sick bird from healthy one 		
Piggery	<ul style="list-style-type: none"> Vaccinate small piglet of one month of age against swine fever Do Artificial Insemination in adult sow (pig) 		
<p style="text-align: center;">Fisheries</p>			
	<ul style="list-style-type: none"> Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH Stock advance fingerling to get better production and provide feed daily. Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes 		

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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Integrated Agromet Advisory Service Bulletin from 14th to 18th July'18 Mon District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 29⁰C and 19⁰C to 20⁰C, respectively.
- Relative humidity varied from 65% to 90%
- Wind speed ranged from 1 to 2 kmph

Weather forecast valid upto 18th July 2018

- Probability of very heavy rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 20⁰C to 21⁰C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 50% to 99%.
- **Wind speed** may reach upto 3- 5 kmph
- **Wind direction** will be southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum Paddy	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
TRC/WRC paddy	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
Green gram	Harvesting	-	<i>Timely harvesting should be done</i>
Maize	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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


<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
<i>Cucurbits</i>	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
<i>Okra</i>	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> • <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i> • <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
<i>Brinjal</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>Ginger / turmeric</i>	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>

Livestock

- Water stagnation should be avoided in livestock shed to avoid mosquito breeding.
- Daily provide clean and cool drinking water to the animals

<i>Poultry</i>	<ul style="list-style-type: none"> • Provide bulb in brooder house. • Maintain dry litter in poultry house • Provide lasota vaccine at 7 days and 30 days of age • Separate sick bird from healthy one
<i>Piggery</i>	<ul style="list-style-type: none"> • Vaccinate small piglet of one month of age against swine fever • Do Artificial Insemination in adult sow (pig)

Fisheries

	<ul style="list-style-type: none"> • Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH • Stock advance fingerling to get better production and provide feed daily. • Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes
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SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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Integrated Agromet Advisory Service Bulletin from 14th to 18th July'18 Peren District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 29⁰C and 20⁰C to 21⁰C, respectively.
- Relative humidity varied from 58% to 94%.
- Wind speed ranged from 2 to 4 kmph

Weather forecast valid upto 18th July 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 20⁰C to 21⁰C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 51% to 99%.
- **Wind speed** may reach upto 2-3 kmph
- **Wind direction** will be southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum Paddy	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
TRC/WRC paddy	Nursery		<i>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</i>
Green gram	Harvesting	-	<i>Timely harvesting should be done</i>
Maize	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

Citrus	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
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	Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none">• <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i>• <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">• Provide bulb in brooder house.• Maintain dry litter in poultry house• Provide lasota vaccine at 7 days and 30 days of age• Separate sick bird from healthy one		
	Piggery	<ul style="list-style-type: none">• Vaccinate small piglet of one month of age against swine fever• Do Artificial Insemination in adult sow (pig)		
	Fisheries <ul style="list-style-type: none">• By this month, renovation of old pond and excavation of new pond should be completed.• Proper inspection of work should be done for new pond• Adopt culture practice as per the technical advice If the management measures are followed accordingly, a good harvest can be expected. It is advisable to consult a fisheries expert prior to taking any management measures			

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Integrated Agromet Advisory Service Bulletin from 14th to 18th July '18 Phek District

Bulletin No:56/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 28⁰C and 20⁰C to 21⁰C, respectively.
- Relative humidity varied from 55% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 18th July 2018

- Probability of heavy rain the coming week.
- **Max temp** is likely to be 25⁰C - 27⁰C and the **min temp** 18⁰C to 19⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 52% to 99%.
- **Wind speed** may reach upto 2-3 kmph
- **Wind direction** will be mostly southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
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	Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i> <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	<p style="text-align: center;">Livestock</p> <p style="text-align: center;">Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals</p>			
	Poultry	<ul style="list-style-type: none"> • Provide bulb in brooder house. • Maintain dry litter in poultry house • Provide lasota vaccine at 7 days and 30 days of age • Separate sick bird from healthy one 		
	Piggery	<ul style="list-style-type: none"> • Vaccinate small piglet of one month of age against swine fever • Do Artificial Insemination in adult sow (pig) 		
<p style="text-align: center;">Fisheries</p>				
		<ul style="list-style-type: none"> • Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH • Stock advance fingerling to get better production and provide feed daily. Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes 		

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Integrated Agromet Advisory Service Bulletin from 14th to 18th July '18 Tuensang District

Bulletin No:56/2018

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 18th July 2018</i>
<ul style="list-style-type: none"> Moderate rain occurred the past week Maximum and minimum temperatures ranged 23⁰C to 24⁰C and 15⁰C to 16⁰C, respectively. Relative humidity varied from 71% to 92%. Wind speed ranged from 2 to 3 kmph 			<ul style="list-style-type: none"> Probability of heavy rain the coming week. Max temp is likely to be 27⁰C - 28⁰C and the min temp 20⁰C to 21⁰C Sky is likely to be partly cloudy the coming week Relative Humidity is likely to range from 62% to 99%. Wind speed may reach upto 2-3 kmph Wind direction will be mostly south easterly
Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season			
<i>Field crops</i>			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>
<i>Horticultural crop</i>			
<ul style="list-style-type: none"> Proper weeding, earthing up should be done and staking should be done for good production. 			
<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> 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
<i>Cucurbits</i>	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or</i>

				early evening when blossoms are closed for the day.
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i> <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	<p style="text-align: center;">Livestock</p> <p style="text-align: center;">Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals</p>			
	Poultry	<ul style="list-style-type: none"> • Provide bulb in brooder house. • Maintain dry litter in poultry house • Provide lasota vaccine at 7 days and 30 days of age • Separate sick bird from healthy one 		
	Piggery	<ul style="list-style-type: none"> • Vaccinate small piglet of one month of age against swine fever • Do Artificial Insemination in adult sow (pig) 		
<p style="text-align: center;">Fisheries</p>				
		<ul style="list-style-type: none"> • Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH • Stock advance fingerling to get better production and provide feed daily. Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes 		

SCIENTIFIC EXPERT COMMITTEE

Sl.no	Name	Designation	Department	
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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 14th to 18th July '18 Wokha District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 28⁰C to 29⁰C and 20⁰C to 21⁰C, respectively.
- Relative humidity varied from 55% to 91%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th July 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 20⁰C to 21⁰C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 48% to 99%.
- **Wind speed** may reach upto 3- 4 kmph
- **Wind direction** will be southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	➤ <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>
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				➤ <i>Timely weeding should be carried out</i>
	Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"> <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i> <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	<p style="text-align: center;"><i>Livestock</i></p> <p style="text-align: center;">Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals</p>			
	Poultry	<ul style="list-style-type: none"> • Provide bulb in brooder house. • Maintain dry litter in poultry house • Provide lasota vaccine at 7 days and 30 days of age • Separate sick bird from healthy one 		
	Piggery	<ul style="list-style-type: none"> • Vaccinate small piglet of one month of age against swine fever • Do Artificial Insemination in adult sow (pig) 		
	<p style="text-align: center;"><i>Fisheries</i></p>			
		<ul style="list-style-type: none"> • Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH • Stock advance fingerling to get better production and provide feed daily. • Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes 		

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



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Integrated Agromet Advisory Service Bulletin from 14th to 18th July'18 Zunheboto District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 24⁰C to 26⁰C and 15⁰C to 17⁰C, respectively.
- Relative humidity varied from 74% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 18th July 2018

- Probability of heavy rain the coming week.
- **Max temp** is likely to be 25⁰C - 27⁰C and the **min temp** 18⁰C to 19⁰C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 57% to 99%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
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	Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none">• <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i>• <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">• Provide bulb in brooder house.• Maintain dry litter in poultry house• Provide lasota vaccine at 7 days and 30 days of age• Separate sick bird from healthy one		
	Piggery	<ul style="list-style-type: none">• Vaccinate small piglet of one month of age against swine fever• Do Artificial Insemination in adult sow (pig)		
Fisheries				
		<ul style="list-style-type: none">• Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH• Stock advance fingerling to get better production and provide feed daily.• Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes		

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Integrated Agromet Advisory Service Bulletin from 14th to 18th July'18 Dimapur District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 32⁰C to 33⁰C and 23⁰C to 26⁰C, respectively.
- Relative humidity varied from 40% to 97%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 18th July 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 34⁰C - 35⁰C and the **min temp** 25⁰C to 26⁰C
- **Sky is likely to be cloudy** the coming week
- **Relative Humidity** is likely to range from 35% to 91%.
- **Wind speed** may reach upto 2- 3 kmph
Wind direction will be mostly southerly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Nursery		<i>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</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ 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
<i>Cucurbits</i>	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when</i>

				<i>blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"><i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i><i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	<i>Livestock</i> Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">Provide bulb in brooder house.Maintain dry litter in poultry houseProvide lasota vaccine at 7 days and 30 days of ageSeparate sick bird from healthy one		
	Piggery	<ul style="list-style-type: none">Vaccinate small piglet of one month of age against swine feverDo Artificial Insemination in adult sow (pig)		
	<i>Fisheries</i>			
		<ul style="list-style-type: none">Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pHStock advance fingerling to get better production and provide feed daily.Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes		

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Integrated Agromet Advisory Service Bulletin from 14th to 18th July'18 Kiphire District

Bulletin No:56/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 29⁰C and 19⁰C to 20⁰C, respectively.
- Relative humidity varied from 57% to 95%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th July 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 20⁰C to 21⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 47% to 99%.
- **Wind speed** may reach upto 0-2 kmph
- **Wind direction** will be mostly southeasterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum Paddy	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
TRC/WRC paddy	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
Green gram	Harvesting	-	<i>Timely harvesting should be done</i>
Maize	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

Citrus	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when</i>

				<i>blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none"><i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i><i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">• Provide bulb in brooder house.• Maintain dry litter in poultry house• Provide lasota vaccine at 7 days and 30 days of age• Separate sick bird from healthy one		
	Piggery	<ul style="list-style-type: none">• Vaccinate small piglet of one month of age against swine fever• Do Artificial Insemination in adult sow (pig)		
Fisheries				
		<ul style="list-style-type: none">• Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH• Stock advance fingerling to get better production and provide feed daily.• Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes		

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Integrated Agromet Advisory Service Bulletin from 14th to 18th July'18 Kohima District

Bulletin No:56/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 24⁰C to 26⁰C and 15⁰C to 17⁰C, respectively.
- Relative humidity varied from 76% to 95%.
- Wind speed ranged from 2 to 3 kmph

Weather forecast valid upto 18th July 2018

- Probability of heavy rain the coming week.
- **Max temp** is likely to be 25⁰C - 27⁰C and the **min temp** 18⁰C to 19⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 56% to 99%.
- **Wind speed** may reach upto 2-3 kmph
- **Wind direction** will be mostly easterly

Farmers should do weeding and hoeing in the standing crops to protect them from weeds keeping in mind their rapid growth in the rainy season


Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>	Tillering stage	Stem borer	<i>For Jhum paddy, to produce high quality seed, rogue the fields by removing all the rice plants that clearly look different during the vegetative, flowering and grain filling stages</i>
<i>TRC/WRC paddy</i>	Transplanting stage		<i>Each 1 kg dry matter of weeds is equivalent to 1 kg grain loss. Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.</i>
<i>Green gram</i>	Harvesting	-	<i>Timely harvesting should be done</i>
<i>Maize</i>	Harvesting stage		<i>Timely harvesting should be done</i>

Horticultural crop

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

<i>Citrus</i>	Flowering to fruiting stage	Mealy bug	<ul style="list-style-type: none"> ➤ <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> ➤ <i>Timely weeding should be carried out</i>
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	Cucurbits	Flowering stage		<i>Vines are very delicate. Take care not to damage vines, which reduce the quality of fruit. Bees are essential for pollination, so be mindful when using insecticides to kill pests. If you must use, apply only in late afternoon or early evening when blossoms are closed for the day.</i>
	Okra	Fruiting to harvesting stage	Spotted bollworm	<ul style="list-style-type: none">• <i>In the present weather condition, spotted bollworm will be seen. The infested fruits will have a varying number of holes.</i>• <i>Remove regularly the attacked fruits and bury deep in the soil.</i>
	Brinjal		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>
	Ginger / turmeric	Vegetative stage		<i>Timely earthing up and weeding/hoeing should be done.</i>
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals			
	Poultry	<ul style="list-style-type: none">• Provide bulb in brooder house.• Maintain dry litter in poultry house• Provide lasota vaccine at 7 days and 30 days of age• Separate sick bird from healthy one		
Piggery	<ul style="list-style-type: none">• Vaccinate small piglet of one month of age against swine fever• Do Artificial Insemination in adult sow (pig)			
	Fisheries			
		<ul style="list-style-type: none">• Strengthen embankment to prevent erosion due to heavy rain. Do not put lime on rainy days. Monthly application of lime at low dose not only help in maintaining the water pH of the pond but also acts as a source of calcium and disinfect the pond. Application of lime as per recommended dose depending on the pH• Stock advance fingerling to get better production and provide feed daily.• Water inlet should be covered with mesh cloth which will help in preventing entry of unwanted insects as well as unwanted predatory fishes		

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