




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

Bulletin No:30/2018

Weather summary of the preceding week			Weather forecast valid upto 18 th April 2018
<ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 29⁰C to 34⁰C and 14⁰C to 17⁰C, respectively. Relative humidity varied from 44% to 96%. Wind speed ranged from 1 to 2 kmph 			<ul style="list-style-type: none"> Probability of no rain the coming week. Max temp is likely to be 30⁰C - 31⁰C and the min temp 20⁰C to 21⁰C Sky is likely to be partly cloudy the coming week Relative Humidity is likely to range from 22% to 79%. Wind speed may reach upto 3- 4 kmph Wind direction will be mostly easterly
General Recommendations <ul style="list-style-type: none"> Resort to deep ploughing during summer season Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects. Bio-pesticides should be given priority over chemical pesticides Monitor the field situation at least once a week for soil, water, plants, pests, natural enemies 			
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation.
Green gram	Vegetative stage	-	Clean cultivation should be maintained
Maize	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.
Horticultural crop			
<ul style="list-style-type: none"> Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in 			

	the soil is sufficient			
	<i>Khasi Mandarin</i>		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
	<i>Summer crops</i>	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
	<i>Okra</i>	Vegetative stage	-	<i>Gap filling should be carried out</i>
	<i>Brinjal</i>	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
	<i>Ginger / turmeric</i>	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
	Livestock			
	<ul style="list-style-type: none">• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax			
	<i>Poultry</i>	<ul style="list-style-type: none">• Over crowding should be avoided• Deworming should be done periodically in the birds• Give vitamins and minerals along with feed• Proper ventilation should be done to protect the birds from extreme heat		
	<i>Piggery</i>	<ul style="list-style-type: none">• Due to increase in temperature, give enough clean drinking water.• Proper cleaning of the shed and animals with antiseptic solution should be done• Proper measures should be taken to control flies• Young piglets should be given iron injection (Inferon) at 4th and 14th days		
Fisheries				
		<ul style="list-style-type: none">• Renovate the ponds. Strengthen embankments• In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha• In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.)• Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime.		

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 14th to 18th April'18

Kiphire District

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 28⁰C and 17⁰C to 18⁰C, respectively.
- Relative humidity varied from 23% to 85%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 14⁰C to 15⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 21% to 90%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be mostly easterly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
Green gram	Vegetative stage	-	Clean cultivation should be maintained
Maize	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting
- As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in

	the soil is sufficient		
	<i>Khasi Mandarin</i>		Leaf miner, aphids, mites, trunk borer
	<i>Summer crops</i>	Vegetative stage	-
	<i>Okra</i>	Vegetative stage	-
	<i>Brinjal</i>	Field preparation	
	<i>Ginger / turmeric</i>	Sowing	-
	Livestock		
	• Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax		
	<i>Poultry</i>	<ul style="list-style-type: none">• Over crowding should be avoided• Deworming should be done periodically in the birds• Give vitamins and minerals along with feed• Proper ventilation should be done to protect the birds from extreme heat	
	<i>Piggery</i>	<ul style="list-style-type: none">• Due to increase in temperature, give enough clean drinking water.• Proper cleaning of the shed and animals with antiseptic solution should be done• Proper measures should be taken to control flies• Young piglets should be given iron injection (Inferon) at 4th and 14th days	
Fisheries			
		<ul style="list-style-type: none">• Renovate the ponds. Strengthen embankments• In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha• In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.)• Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime.	

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



Integrated Agromet Advisory Service Bulletin from 14th to 18th April'18

Kohima District

Bulletin No:30/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 24⁰C to 25⁰C and 12⁰C to 14⁰C, respectively.
- Relative humidity varied from 34% to 90%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th April 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 22⁰C - 23⁰C and the **min temp** 12⁰C to 13⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 43% to 93%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be mostly southeasterly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of <i>maize</i> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting
- As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture

	content in the soil is sufficient		
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
	Summer crops	Vegetative stage	- <i>Timely weeding and earthing up should be done</i>
	Okra	Vegetative stage	- <i>Gap filling should be carried out</i>
	Brinjal	Field preparation	<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
	Ginger / turmeric	Sowing	- <i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
	Potato	Sowing stage	- <i>Select healthy and pure seed of high yielding varieties, free from pests and diseases. The tubers showing any surface borne disease like scab, wart, nematode infection or effect of rots should be sorted out. It is advisable to use certified seed for good yields.</i>
	<p align="center">Livestock</p> <ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 		
Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 		
Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
<p align="center">Fisheries</p>			
		<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 	

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

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 28⁰C and 17⁰C to 18⁰C, respectively.
- Relative humidity varied from 23% to 85%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 24⁰C - 25⁰C and the **min temp** 15⁰C to 16⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 28% to 85%.
- **Wind speed** may reach upto 2- 3 kmph
- **Wind direction** will be mostly southeasterly

General Recommendations

- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting

- As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>

Livestock

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax

Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat
Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days

Fisheries

- Renovate the ponds. Strengthen embankments
- In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha
- In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.)
- Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime.



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



Integrated Agromet Advisory Service Bulletin from 14th to 18th April'18

Mokokchung District

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 27⁰C to 28⁰C and 15⁰C to 18⁰C, respectively.
- Relative humidity varied from 29% to 80%.
- Wind speed ranged from 3 to 5 kmph

Weather forecast valid upto 18th April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 14⁰C to 15⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 30% to 92%.
- **Wind speed** may reach upto 3 - 4 kmph
- **Wind direction** will be southeasterly

General Recommendations

- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of <i>maize</i> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting
- As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content

in the soil is sufficient			
Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
Livestock			
<ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 			
Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 		
Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
Fisheries			
	<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 		



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Bulletin No:30/2018

Weather summary of the preceding week			Weather forecast valid upto 18 th April 2018
<ul style="list-style-type: none"> Light rain occurred the past week Maximum and minimum temperatures ranged 26^oC to 27^oC and 14^oC to 17^oC, respectively. Relative humidity varied from 33% to 87% Wind speed ranged from 3 to 5 kmph 			<ul style="list-style-type: none"> Probability of light rain the coming week. Max temp is likely to be 24^oC - 25^oC and the min temp 13^oC to 14^oC Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 32% to 90%. Wind speed may reach upto 4- 6 kmph Wind direction will be mostly southeasterly
General Recommendations <ul style="list-style-type: none"> Resort to deep ploughing during summer season Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects. Bio-pesticides should be given priority over chemical pesticides 			
Field crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Jhum Paddy</i>			<ul style="list-style-type: none"> Maize and pulses should be grown as strip crop in hill slopes Use certified seeds and if there is a history of occurrence of diseases in that particular field then use a resistant variety.
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> Place sticky traps in the drying and storage areas for rats. Storage rooms should be physically rodent and bird proof, if possible. Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.
Horticultural crop			
<ul style="list-style-type: none"> Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 			

kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting

- As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>

Livestock

- Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax

Poultry	<ul style="list-style-type: none"> • Over crowding should be avoided • Deworming should be done periodically in the birds • Give vitamins and minerals along with feed • Proper ventilation should be done to protect the birds from extreme heat
Piggery	<ul style="list-style-type: none"> • Due to increase in temperature, give enough clean drinking water. • Proper cleaning of the shed and animals with antiseptic solution should be done • Proper measures should be taken to control flies • Young piglets should be given iron injection (Inferon) at 4th and 14th days

Fisheries

	<ul style="list-style-type: none"> • Renovate the ponds. Strengthen embankments • In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha • In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) • Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime.
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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 14th to 18th April'18

Peren District

Bulletin No:30/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 26^oC to 27^oC and 14^oC to 17^oC, respectively.
- Relative humidity varied from 30% to 87%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th April 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 24^oC - 25^oC and the **min temp** 13^oC to 14^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 40% to 94%.
- **Wind speed** may reach upto 4-6 kmph
- **Wind direction** will be mostly southeasterly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before

	planting			
	<ul style="list-style-type: none"> As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient 			
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
	Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
	Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
	Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
	Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
	<p style="text-align: center;">Livestock</p> <ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 			
	Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 		
	Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
	<p style="text-align: center;">Fisheries</p>			
	<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 			

SCIENTIFIC EXPERT COMMITTEE

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



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

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 25⁰C to 26⁰C and 13⁰C to 15⁰C, respectively.
- Relative humidity varied from 28% to 85%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 23⁰C - 24⁰C and the **min temp** 13⁰C to 14⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 27% to 90%.
- **Wind speed** may reach upto 3-5 kmph
Wind direction will be southeasterly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before

	planting		
	<ul style="list-style-type: none"> As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient 		
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
	Summer crops	Vegetative stage	- <i>Timely weeding and earthing up should be done</i>
	Okra	Vegetative stage	- <i>Gap filling should be carried out</i>
	Brinjal	Field preparation	<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
	Ginger / turmeric	Sowing	- <i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
	Livestock		
	<ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 		
	Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 	
Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
Fisheries			
		<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 	

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



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

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 21⁰C to 23⁰C and 10⁰C to 11⁰C, respectively.
- Relative humidity varied from 29% to 80%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 18th April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 20⁰C - 21⁰C and the **min temp** 11⁰C to 12⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 29% to 90%.
- **Wind speed** may reach upto 3-4 kmph
- **Wind direction** will be southerly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of <i>maize</i> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers before planting

<ul style="list-style-type: none"> As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient 			
Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
<p style="text-align: center;">Livestock</p> <ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 			
Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 		
Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
<p style="text-align: center;">Fisheries</p>			
	<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 		

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Integrated Agromet Advisory Service Bulletin from 14th to 18th April '18 Wokha District

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 26⁰C to 27⁰C and 14⁰C to 17⁰C, respectively.
- Relative humidity varied from 32% to 85%.
- Wind speed ranged from 4 to 5 kmph

Weather forecast valid upto 18th April 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 24⁰C - 25⁰C and the **min temp** 14⁰C to 15⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 33% to 95%.
- **Wind speed** may reach upto 4- 5 kmph
- **Wind direction** will be southeasterly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of <i>maize</i> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers

	before planting			<ul style="list-style-type: none"> As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
	Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
	Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
	Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
	Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
	<p style="text-align: center;">Livestock</p> <ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 			
	Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 		
	Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
	<p style="text-align: center;">Fisheries</p>			
		<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 		

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

Bulletin No:30/2018

Weather summary of the preceding week

- Light rain occurred the past week
- Maximum and minimum temperatures ranged 24⁰C to 25⁰C and 12⁰C to 14⁰C, respectively.
- Relative humidity varied from 31% to 84%.
- Wind speed ranged from 4 to 5 kmph

Weather forecast valid upto 18th April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 24⁰C - 25⁰C and the **min temp** 13⁰C to 14⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 28% to 92%.
- **Wind speed** may reach upto 4-6 kmph
- **Wind direction** will be southeasterly

General Recommendations


- Resort to deep ploughing during summer season
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Bio-pesticides should be given priority over chemical pesticides

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
<i>Paddy</i>	Storage		<ul style="list-style-type: none"> • Place sticky traps in the drying and storage areas for rats. • Storage rooms should be physically rodent and bird proof, if possible. • Inspect the stored seeds once a week for signs of insect infestation.
<i>Green gram</i>	Vegetative stage	-	Clean cultivation should be maintained
<i>Maize</i>	2 leaf stage		Early sowing of <i>maize</i> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.

Horticultural crop

- Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20 kg well decomposed FYM. Put a bamboo peg to remind the place of the pit. Let the pit be exposed to 3-4 rain showers

	before planting			<ul style="list-style-type: none"> As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
	Summer crops	Vegetative stage	-	<i>Timely weeding and earthing up should be done</i>
	Okra	Vegetative stage	-	<i>Gap filling should be carried out</i>
	Brinjal	Field preparation		<i>Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies</i>
	Ginger / turmeric	Sowing	-	<i>Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.</i>
	<p style="text-align: center;">Livestock</p> <ul style="list-style-type: none"> Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrhagic Septicaemia, Anthrax 			
	Poultry	<ul style="list-style-type: none"> Over crowding should be avoided Deworming should be done periodically in the birds Give vitamins and minerals along with feed Proper ventilation should be done to protect the birds from extreme heat 		
	Piggery	<ul style="list-style-type: none"> Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 		
	<p style="text-align: center;">Fisheries</p>			
			<ul style="list-style-type: none"> Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime. 	

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