



Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Dimapur District

Bulletin No:31/2018

Weather summary of the preceding week

- 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

Weather forecast valid upto 22nd April 2018

- Probability of no rain the coming week.
- **Max temp** is likely to be 31⁰C - 32⁰C and the **min temp** 19⁰C to 20⁰C
- **Sky is likely to be partly cloudy** the coming week
- **Relative Humidity** is likely to range from 23% to 85%.
- **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
- 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
<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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	<i>Cucurbits</i>	Germination stage	
			<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	<i>Okra</i>	Vegetative stage	-
			<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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>
<p style="text-align: center;">Livestock</p> <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 		
<p style="text-align: center;">Fisheries</p>			
	Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive		



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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 18th to 22nd April '18 Kiphire District

Bulletin No:31/2018

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 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 15⁰C to 16⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 31% to 85%.
- **Wind speed** may reach upto 2-4 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.
Water harvesting			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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 <i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	Cucurbits	Germination stage	<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	- <i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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>		
		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive	

SCIENTIFIC EXPERT COMMITTEE

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1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18

Kohima District

Bulletin No:31/2018

<i>Weather summary of the preceding week</i>			<i>Weather forecast valid upto 22nd April 2018</i>
<ul style="list-style-type: none"> 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 			<ul style="list-style-type: none"> Probability of moderate 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 45% to 93%. Wind speed may reach upto 2-3 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 			
<i>Field crops</i>			
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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price
<i>Horticultural crop</i>			
<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	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	Cucurbits	Germination stage		<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	-	<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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>
	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			
	• 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			
		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive		

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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18

Longleng District

Bulletin No:31/2018

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 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 15⁰C to 16⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 36% to 83%.
- **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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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		
	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>
	Cucurbits	Germination stage	
			<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	-
			<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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			
		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive	



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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Mokokchung District

Bulletin No:31/2018

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 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 27⁰C - 28⁰C and the **min temp** 15⁰C to 16⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 38% to 90%.
- **Wind speed** may reach upto 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 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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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">•			
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>
Cucurbits	Germination stage		<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
Okra	Vegetative stage	-	<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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 <i>Pseudomonas aeruginosa</i>, <i>Trichoderma harzianum</i> and <i>Bacillus brevis</i> 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			
	Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive		



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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April '18 Mon District

Bulletin No:31/2018

Weather summary of the preceding week

- 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

Weather forecast valid upto 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 26^oC - 27^oC and the **min temp** 14^oC to 15^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 40% to 73%.
- **Wind speed** may reach upto 3- 4 kmph
- **Wind direction** will be mostly southeasterly

General Recommendations

-


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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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		
	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>
	Cucurbits	Germination stage	<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	- <i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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"> Water stagnation should be avoided in livestock shed to avoid mosquito breeding 		
	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>		
		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive	



भारतीय
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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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3	Ph. Romen Sharma	Scientist	Agricultural Extension	romen.agext@gmail.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18

Peren District

Bulletin No:31/2018

Weather summary of the preceding week

- Moderate rain occurred the past week
- Maximum and minimum temperatures ranged 26⁰C to 27⁰C and 14⁰C to 17⁰C, respectively.
- Relative humidity varied from 30% to 87%.
- Wind speed ranged from 3 to 4 kmph

Weather forecast valid upto 22nd April 2018

- Probability of moderate 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 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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	Cucurbits	Germination stage		<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	-	<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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 <i>Pseudomonas aeruginosa</i>, <i>Trichoderma harzianum</i> and <i>Bacillus brevis</i> 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 avoidedDeworming should be done periodically in the birdsGive vitamins and minerals along with feedProper 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 doneProper measures should be taken to control fliesYoung piglets should be given iron injection (Inferon) at 4th and 14th days		
Fisheries				
	Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive			

SCIENTIFIC EXPERT COMMITTEE

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



Integrated Agromet Advisory Service Bulletin from 18th to 22nd April '18 Phek District

Bulletin No:31/2018

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 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 26⁰C - 27⁰C and the **min temp** 13⁰C to 14⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 39% to 93%.
- **Wind speed** may reach upto 2-3 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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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
	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>		
	Cucurbits	Germination stage	
	<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>		
	Okra	Vegetative stage	-
	<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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>			
	Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive		

SCIENTIFIC EXPERT COMMITTEE

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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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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Tuensang District

Bulletin No:31/2018

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 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 23⁰C - 24⁰C and the **min temp** 11⁰C to 12⁰C
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 37% to 87%.
- **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
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.
Water harvesting			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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		
	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>
	Cucurbits	Germination stage	<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	- <i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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			
		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive	

SCIENTIFIC EXPERT COMMITTEE

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7	Jyotish Barman	Scientist	Fisheries Resource Management	jyotish5@gmail.com
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April '18 Wokha District

Bulletin No:31/2018

Weather summary of the preceding week

- 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 32% to 85%.
- Wind speed ranged from 4 to 5 kmph

Weather forecast valid upto 22nd April 2018

- Probability of moderate rain the coming week.
- **Max temp** is likely to be 25^oC - 27^oC and the **min temp** 14^oC to 15^oC
- **Sky is likely to be mainly cloudy** the coming week
- **Relative Humidity** is likely to range from 35% 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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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	<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	Cucurbits	Germination stage		<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	-	<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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 <i>Pseudomonas aeruginosa</i>, <i>Trichoderma harzianum</i> and <i>Bacillus brevis</i> 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>			
		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive		

SCIENTIFIC EXPERT COMMITTEE

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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April '18 Zunheboto District

Bulletin No:31/2018

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 22nd April 2018

- Probability of light rain the coming week.
- **Max temp** is likely to be 25⁰C - 26⁰C and the **min temp** 13⁰C to 14⁰C
- **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 4-5 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.
<i>Water harvesting</i>			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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
			<i>Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer</i>
	Cucurbits	Germination stage	
			<i>For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.</i>
	Okra	Vegetative stage	-
			<i>Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done</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 avoidedDeworming should be done periodically in the birdsGive vitamins and minerals along with feedProper 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 doneProper measures should be taken to control fliesYoung piglets should be given iron injection (Inferon) at 4th and 14th days		
	Fisheries		



Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive

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