



# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Dimapur District

#### **Bulletin No:32/2018**

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
Light rain occurred the past week	■ Probability of no rain the coming week.
	■ Max temp is likely to be $30^{\circ}$ C - $31^{\circ}$ C and the min temp $19^{\circ}$ C to $20^{\circ}$ C
34 <sup>o</sup> C and 14 <sup>o</sup> C to 17 <sup>o</sup> C, respectively.	■ Sky is likely to be partly cloudy the coming week
■ Relative humidity varied from 44% to 96%.	■ <b>Relative Humidity</b> is likely to range from 26% to 82%.
■ Wind speed ranged from 1 to 2 kmph	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly easterly

Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

# Field crops

Main Crops	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
Paddy	Storage		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			Summer rain is erratic. Dig more number of jalkund or pond to store water right
harvesting			now. Harvested rainwater can give you off season vegetable and a good price
			II and and and an an

- 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,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees

1						
		aphids,	to collect adult trunk borer			
		mites,				
		trunk borer				
Cucurbits	Germination		For cucurbits, after germination if there is attack of red pumpkin beetle, control			
	stage		the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.			
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer			
			adults.			
			Gap filling should be done			
Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.			
			Maize should be planted on the border to control movement of white flies			
Ginger /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin			
turmeric			containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus			
			brevis for 1 hr.			
			Livestock			
• Ensure	periodic vaccination of	animals again	nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax			
Poultry	Over crowding should be avoided					
	Deworm	Deworming should be done periodically in the birds				
	Give vita	Give vitamins and minerals along with feed				
	Proper v	entilation show	uld be done to protect the birds from extreme heat			
Piggery	Due to ir	ncrease in tem	perature, give enough clean drinking water.			
	Proper classification	leaning of the	shed and animals with antiseptic solution should be done			
	Proper m	neasures shoul	ld be taken to control flies			
	• Young piglets should be given iron injection (Inferon) at 4 <sup>th</sup> and 14 <sup>th</sup> days					
			Fisheries			
	Complete the wo	ork of digging	or re- digging of pond by next one or two weeks before the monsoon arrive			

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Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
2	Dr. L.K. Baishya	Senior Scientist	Agronomy	lkbicar@gmail.com
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4	Dr. Rajesha G	Scientist	Plant Pathology	rajeshag337@gmail.com
5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
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6			Aromatic Plants	azezeseyie@yahoo.com
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8	Aabon W Yanthan	Scientist	Vegetable Science	aabon.iari@gmail.com



# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Kiphire District

#### **Bulletin No:32/2018**

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Light rain occurred the past week	■ Probability of light rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 25 <sup>o</sup> C - 26 <sup>o</sup> C and the min temp 14 <sup>o</sup> C to 15 <sup>o</sup> C
27°C to 28°C and 17°C to 18°C, respectively.	Sky is likely to be mainly cloudy the coming week
Relative humidity varied from 23% to 85%.	• Relative Humidity is likely to range from 24% to 85%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly easterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

# Field crops

Main Crops	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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

- 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	Leaf miner,	Spray neem oi	l @5ml/litre water	against lea	ıf miner, a	aphids,	mites.	Shake the	
_						-	_			_

	Mandarin		aphids,	trees to collect adult trunk borer		
			mites, trunk			
			borer			
	Cucurbits	Germination		For cucurbits, after germination if there is attack of red pumpkin beetle, control		
		stage		the insect with the dusting of mixture of kerosene oil + ash in adequate		
				proportion.		
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer		
				adults.		
				Gap filling should be done		
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.		
				Maize should be planted on the border to control movement of white flies		
	Ginger /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozin		
	turmeric			containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus		
				brevis for 1 hr.		
				Livestock		
	• Ensure pe	riodic vaccination of	animals agains	st FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
	Poultry	Over crowd	ing should be a	voided		
				e periodically in the birds		
				s along with feed		
				be done to protect the birds from extreme heat		
	Piggery	•		ture, give enough clean drinking water.		
			-	d and animals with antiseptic solution should be done		
		-	_	taken to control flies		
		-		even iron injection (Inferon) at 4 <sup>th</sup> and 14 <sup>th</sup> days		
		Fisheries				
		Complete the work	of digging or r	re- digging of pond by next one or two weeks before the monsoon arrive		
ICAR						

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1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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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
	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
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# **Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18**Kohima District

**Bulletin No:32/2018** 

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Moderate rain occurred the past week	■ Probability of moderate rain the coming week.
■ Maximum and minimum temperatures ranged 24	■ Max temp is likely to be 22 <sup>o</sup> C - 23 <sup>o</sup> C and the min temp 12 <sup>o</sup> C to 13 <sup>o</sup> C
<sup>0</sup> C to 25 <sup>0</sup> C and 12 <sup>0</sup> C to 14 <sup>0</sup> C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 34% to 90%.	■ Relative Humidity is likely to range from 43% to 95%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly southeasterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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

- 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		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake		
	Mandarin		aphids,	the trees to collect adult trunk borer		
	- Wandarin		mites, trunk	the trees to concer dant trank borer		
			borer			
	Cucurbits	Germination		For cucurbits, after germination if there is attack of red pumpkin beetle,		
		stage		control the insect with the dusting of mixture of kerosene oil + ash in		
				adequate proportion.		
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit		
				borer adults.		
				Gap filling should be done		
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.		
	G: /	α .		Maize should be planted on the border to control movement of white flies		
	Ginger /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water)		
	turmeric			Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus brevis for 1 hr.		
	Khasi		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake		
	Mandarin		aphids,	the trees to collect adult trunk borer		
	1/10/1000/10/10		mites, trunk	The frees to contect dann trains on er		
			borer			
	_			Livestock		
				st FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
	Poultry		ding should be a			
				e periodically in the birds		
				s along with feed		
	D:			be done to protect the birds from extreme heat		
	Piggery		_	ture, give enough clean drinking water.		
		_	_	d and animals with antiseptic solution should be done		
		_		taken to control flies		
		• Toung pigi	ets should be gi	even iron injection (Inferon) at 4 <sup>th</sup> and 14 <sup>th</sup> days		
	Fisheries					
*****		Complete the work	of digging or r	re- digging of pond by next one or two weeks before the monsoon arrive		
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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 21<sup>st</sup> to 25<sup>th</sup> April'18 Longleng District

#### **Bulletin No:32/2018**

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
Light rain occurred the past week	Probability of light rain the coming week.
■ Maximum and minimum temperatures ranged 27°C	■ Max temp is likely to be 25 <sup>o</sup> C - 26 <sup>o</sup> C and the min temp 14 <sup>o</sup> C to 15 <sup>o</sup> C
to 28°C and 17°C to 18°C, respectively.	Sky is likely to be mainly cloudy the coming week
Relative humidity varied from 23% to 85%.	■ Relative Humidity is likely to range from 35% to 83%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly southeasterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

Field crops							
Main	Stage	Pest/	Agro-meteorological Advisories				
Crops		Diseases					
Paddy	Storage		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			Summer rain is erratic. Dig more number of jalkund or pond to store				
harvesting			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				Leaf miner,	Spray neem oil @ 5ml	/litre water against leaf miner, aphids, mites. Shake
		Mandarin (				aphids,	the trees to collect adi	
		171unuur in				mites, trunk	ine trees to contect dat	att trutte borer
						borer		
		Cucurbits		Germination st	age	00101	For cucurbits, after 9	ermination if there is attack of red pumpkin beetle,
					uge			th the dusting of mixture of kerosene oil + ash in
							adequate proportion.	and the constants of merescence on a constant
		<i>Okra</i> XPERT C		Vegetative sta	.ge	-	* * *	er as a barrier to prevent the entry of shoot & fruit
SCIE	NTIFIC I	EXPERT C	OMP	MITTEE	U		borer adults.	ı J J
							Gap filling should be d	done
Sl.no	Name	Brinjal	Desi	gnated preparati	Фера	artment	Thoroughly prepare th	e field with application of well dried FYM.
1	Dr.D.J. R	aikhowa		ciple Scientist		onomy	Maize should be plant	edion the barder to control movement of white flies
2						onomy _		, , , , , , , , , , , , , , , , , , ,
		Baishyar/		ior Scientisting				ghigear (h.g.) and congress (5 kg in 100 litre of water)
3		nuShaenia	+ -	entist				utimonagent Agmails Trichoderma harzianum and
4	Dr. Rajes	ha G	Scie	entist		t Pathology		rajeshag337@gmail.com
5	Dr. Maha	k Singh	x Singh Scientist Anir		mal Reproduction	on & <b>Gy</b> k <b>astord</b> gy	mahaksinghivri@gmail.com	
	Dr. Azeze		uscre					morrahagic Septicaemia, Anthrax
6		Poultry				ingish pulatbe av		azezeseyie@yahoo.com
7	Jyotish B	arman	Scie				Maniaglically in the bird	sjyotish5@gmail.com
8	Aabon W	Yanthan	Scie	entist • Give v	itamj	etabled spiercals	along with feed	aabon.iari@gmail.com
							e done to protect the bire	
		Piggery		• Due to	incre	ease in temperati	ure, give enough clean o	drinking water.
				Proper	clear	ning of the shed	and animals with antise	eptic solution should be done
				Proper	meas	sures should be t	taken to control flies	
				• Young	gpigle	ets should be giv	en iron injection (Infere	on) at 4 <sup>th</sup> and 14 <sup>th</sup> days
Fisheries								
1111	-J//			Complete the	work	of digging or re	- digging of pond by ne	ext one or two weeks before the monsoon arrive
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# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Mokokchung District

#### Bulletin No:32/2018

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Light rain occurred the past week	Probability of light rain the coming week.
• Maximum and minimum temperatures ranged	■ Max temp is likely to be 24 <sup>o</sup> C - 25 <sup>o</sup> C and the min temp 14 <sup>o</sup> C to 15 <sup>o</sup> C
$27^{0}$ C to $28^{0}$ C and $15^{0}$ C to $18^{0}$ C, respectively.	■ Sky is likely to be mainly cloudy the coming week
Relative humidity varied from 29% to 80%.	■ Relative Humidity is likely to range from 27% to 90%.
■ Wind speed ranged from 3 to 5 kmph	■ Wind speed may reach upto 4 - 5 kmph
•	Wind direction will be southeasterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

# Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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	Leaf m	iner, Spray neen	n oil @5ml/litre water against leaf miner, aphids, mites. Shake the
Mandarin	aphie	ds, trees to col	lect adult trunk borer

		mites, trunk borer			
Cucurbits	Germination stage		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.		
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults.  Gap filling should be done		
Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.  Maize should be planted on the border to control movement of white flies		
Ginger / turmeric	Sowing	-	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.		
• Ensur	re periodic vaccination	of animals agair	Livestock ast FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
Poultry	<ul> <li>Over crowding should be avoided</li> <li>Deworming should be done periodically in the birds</li> <li>Give vitamins and minerals along with feed</li> <li>Proper ventilation should be done to protect the birds from extreme heat</li> </ul>				
Piggery	<ul> <li>Due to increase in temperature, give enough clean drinking water.</li> <li>Proper cleaning of the shed and animals with antiseptic solution should be done</li> <li>Proper measures should be taken to control flies</li> <li>Young piglets should be given iron injection (Inferon) at 4<sup>th</sup> and 14<sup>th</sup> days</li> </ul>				
	,		Fisheries		
	Complete the work of	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 21<sup>st</sup> to 25<sup>th</sup> April'18 Mon District

### **Bulletin No:32/2018**

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Light rain occurred the past week	Probability of light rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 23 <sup>o</sup> C - 24 <sup>o</sup> C and the min temp 14 <sup>o</sup> C to 15 <sup>o</sup> C
$26^{\circ}$ C to $27^{\circ}$ C and $14^{\circ}$ C to $17^{\circ}$ C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 33% to 87%	■ Relative Humidity is likely to range from 33% to 88%.
■ Wind speed ranged from 3 to 5 kmph	■ Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly southerly

Timely weeding and earthing up should be carried out as there is probability of light rain the week too

# Field crops

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum Paddy			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.
Paddy	Storage		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			Summer rain is erratic. Dig more number of jalkund or pond to store water
harvesting			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> <li>Khasi Mandarin</li> <li>Cucurbits Germination stage</li> <li>Okra Vegetative stage</li> </ul>		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		
				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.		
			-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults.  Gap filling should be done		
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.  Maize should be planted on the border to control movement of white flies		
	Ginger / turmeric	Sowing	-	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.		
	<b>XX</b> ,	1 111	. 1 . 1 . 1.	Livestock		
	• water  Poultry	<u> </u>	owding should b	stock shed to avoid mosquito breeding		
	Touriy	<ul><li>Deworm</li><li>Give vit</li></ul>	ning should be detamins and miner	one periodically in the birds rals along with feed d be done to protect the birds from extreme heat		
	Piggery	•		erature, give enough clean drinking water.		
			-	ned and animals with antiseptic solution should be done		
				be taken to control flies		
		Young	piglets should be	given iron injection (Inferon) at 4 <sup>th</sup> and 14 <sup>th</sup> days		
				Fisheries		
назни		Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive				

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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
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# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Peren District

#### **Bulletin No:32/2018**

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Moderate rain occurred the past week	<ul> <li>Probability of moderate rain the coming week.</li> </ul>
<ul> <li>Maximum and minimum temperatures ranged</li> </ul>	■ Max temp is likely to be 23 <sup>o</sup> C - 24 <sup>o</sup> C and the min temp 13 <sup>o</sup> C to 14 <sup>o</sup> C
$26^{\circ}$ C to $27^{\circ}$ C and $14^{\circ}$ C to $17^{\circ}$ C, respectively.	Sky is likely to be mainly cloudy the coming week
Relative humidity varied from 30% to 87%.	■ Relative Humidity is likely to range from 48% to 94%.
■ Wind speed ranged from 3 to 4 kmph	■ Wind speed may reach upto 2-3 kmph
	Wind direction will be mostly southeasterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

# Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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

- 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

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		
Cucurbits	Germination stage		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 adequat proportion.		
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit bore adults.  Gap filling should be done		
Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.  Maize should be planted on the border to control movement of white flies		
Ginger / turmeric	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozia containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillu brevis for 1 hr.		
• Ensure	periodic vaccination	on of animals ag	Livestock gainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
Poultry  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> <li>Due to increase in temperature, give enough clean drinking water.</li> <li>Proper cleaning of the shed and animals with antiseptic solution should be done</li> <li>Proper measures should be taken to control flies</li> <li>Young piglets should be given iron injection (Inferon) at 4<sup>th</sup> and 14<sup>th</sup> days</li> </ul>				
			Fisheries		

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# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Phek District

### **Bulletin No:32/2018**

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	Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
Light rain occurred the past week		■ Probability of light rain the coming week.
		■ Max temp is likely to be 22 <sup>o</sup> C - 23 <sup>o</sup> C and the min temp 12 <sup>o</sup> C to 13 <sup>o</sup> C
	ranged $25^{\circ}$ C to $26^{\circ}$ C and $13^{\circ}$ C to $15^{\circ}$ C,	Sky is likely to be mainly cloudy the coming week
	respectively.	■ Relative Humidity is likely to range from 28% to 87%.
	Relative humidity varied from 28% to 85%.	■ Wind speed may reach upto 3-4 kmph
	■ Wind speed ranged from 3 to 4 kmph	Wind direction will be southeasterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

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Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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

- 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		
	Cucurbits	Germination stage		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.		
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults.  Gap filling should be done		
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.  Maize should be planted on the border to control movement of white flies		
	Ginger / turmeric	Sowing	-	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.		
	• Ensur	e periodic vaccinat	ion of animals	Livestock against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
	Poultry	<ul> <li>Over crowding should be avoided</li> <li>Deworming should be done periodically in the birds</li> <li>Give vitamins and minerals along with feed</li> <li>Proper ventilation should be done to protect the birds from extreme heat</li> </ul>				
	Piggery	<ul> <li>Due to increase in temperature, give enough clean drinking water.</li> <li>Proper cleaning of the shed and animals with antiseptic solution should be done</li> <li>Proper measures should be taken to control flies</li> <li>Young piglets should be given iron injection (Inferon) at 4<sup>th</sup> and 14<sup>th</sup> days</li> </ul>				
	Fisheries					
High strip ICAR		Complete the wo	rk of digging o	r re- digging of pond by next one or two weeks before the monsoon arrive		

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# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Tuensang District

#### **Bulletin No:32/2018**

# Weather summary of the preceding week Light rain occurred the past week Maximum and minimum temperatures ranged 21°C to 23°C and 10°C to 11°C, respectively. Relative humidity varied from 29% to 80%. Wind speed ranged from 3 to 4 kmph Weather forecast valid upto 25<sup>th</sup> April 2018 Probability of light rain the coming week. Max temp is likely to be 22°C - 23°C and the min temp 12°C to 13°C Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 28% to 87%. Wind speed may reach upto 3-4 kmph Wind direction will be southerly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

# Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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			Summer rain is erratic. Dig more number of jalkund or pond to store water
harvesting			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	Leaf m	ner, Spray neem	oil @5ml/litre water against leaf miner, aphids, mites. Shake the
Mandarin	aphic	s, trees to coll	ect adult trunk borer

	ı		ı				
			mites, trunk				
			borer				
	Cucurbits	Germination		For cucurbits, after germination if there is attack of red pumpkin beetle,			
		stage		control the insect with the dusting of mixture of kerosene oil + ash in			
				adequate proportion.			
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit			
				borer adults.			
				Gap filling should be done			
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.			
				Maize should be planted on the border to control movement of white flies			
	Ginger /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water)			
	turmeric			Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and			
				Bacillus brevis for 1 hr.			
				Livestock			
	• Ensure	e periodic vaccination	n of animals ag	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax			
	Poultry	Over crowd	ing should be a	avoided			
		<ul> <li>Deworming</li> </ul>	should be don	e periodically in the birds			
		Give vitami	ns and mineral	s along with feed			
		be done to protect the birds from extreme heat					
	Piggery	Due to increase in temperature, give enough clean drinking water.					
		Proper clear	ning of the shee	d and animals with antiseptic solution should be done			
		Proper measurements	sures should be	taken to control flies			
		Young pigle	ets should be gi	iven iron injection (Inferon) at 4 <sup>th</sup> and 14 <sup>th</sup> days			
				Fisheries			
\\\\		Complete the work	of digging or r	re- digging of pond by next one or two weeks before the monsoon arrive			
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# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Wokha District

#### **Bulletin No:32/2018**

Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Light rain occurred the past week	■ Probability of moderate rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be $24^{\circ}$ C - $25^{\circ}$ C and the min temp $13^{\circ}$ C to $14^{\circ}$ C
$26^{\circ}$ C to $27^{\circ}$ C and $14^{\circ}$ C to $17^{\circ}$ C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 32% to 85%.	■ Relative Humidity is likely to range from 30% to 95%.
■ Wind speed ranged from 4 to 5 kmph	■ Wind speed may reach upto 4- 5 kmph
	Wind direction will be southeasterly

• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

# Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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

- 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

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
Cucurbits	Germination stage		For cucurbits, after germination if there is attack of red pumpkin beetle control the insect with the dusting of mixture of kerosene oil + ash is adequate proportion.
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults.  Gap filling should be done
Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.  Maize should be planted on the border to control movement of white flie
Ginger / turmeric	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water Biozin containing Pseudomonas aeruginosa, Trichoderma harzianur and Bacillus brevis for 1 hr.
Г	. 1		Livestock
Poultry	<ul><li>Over crowdin</li><li>Deworming s</li><li>Give vitamins</li></ul>	g should be av hould be done and minerals	oided periodically in the birds along with feed done to protect the birds from extreme heat
Piggery	<ul><li>Due to increase</li><li>Proper cleaning</li><li>Proper measu</li></ul>	se in temperatung of the shed ares should be to	are, give enough clean drinking water.  and animals with antiseptic solution should be done  aken to control flies  en iron injection (Inferon) at 4 <sup>th</sup> and 14 <sup>th</sup> days
			Fisheries



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# Integrated Agromet Advisory Service Bulletin from 21<sup>st</sup> to 25<sup>th</sup> April'18 Zunheboto District

#### Bulletin No:32/2018

Duite 110102/2010	
Weather summary of the preceding week	Weather forecast valid upto 25 <sup>th</sup> April 2018
■ Light rain occurred the past week	Probability of light rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 22 <sup>o</sup> C - 23 <sup>o</sup> C and the min temp 12 <sup>o</sup> C to 13 <sup>o</sup> C
24°C to 25°C and 12°C to 14°C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 31% to 84%.	■ Relative Humidity is likely to range from 34% to 89%.
<ul> <li>Wind speed ranged from 4 to 5 kmph</li> </ul>	■ Wind speed may reach upto 4-5 kmph
	Wind direction will be southeasterly

Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too

## Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		<ul> <li>Place sticky traps in the drying and storage areas for rats.</li> <li>Storage rooms should be physically rodent and bird proof, if possible.</li> <li>Inspect the stored seeds once a week for signs of insect infestation.</li> </ul>
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

		nt in the soil is suffic				
	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		
	Cucurbits	Germination stage		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.		
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done		
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.  Maize should be planted on the border to control movement of white flies		
	Ginger / turmeric	Sowing	-	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.		
	• Ensur	e periodic vaccinatio	n of animals ag	Livestock gainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
	<ul> <li>Over crowding should be avoided</li> <li>Deworming should be done periodically in the birds</li> <li>Give vitamins and minerals along with feed</li> </ul>			e periodically in the birds		
	Piggery	<ul> <li>Due to increase in temperature, give enough clean drinking water.</li> <li>Proper cleaning of the shed and animals with antiseptic solution should be done</li> <li>Proper measures should be taken to control flies</li> <li>Young piglets should be given iron injection (Inferon) at 4<sup>th</sup> and 14<sup>th</sup> days</li> </ul>				
	Fisheries					
нир знуц ІСАК		Complete the work	of digging or r	re- digging of pond by next one or two weeks before the monsoon arrive		

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