

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

Bulletin No:30/2018

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Weather summary of the preceding week	Weather forecast valid upto 18 th April 2018			
Light rain occurred the past week	Probability of no rain the coming week.			
• Maximum and minimum temperatures ranged 29 ^o C to	• Max temp is likely to be 30° C - 31° C and the min temp 20° C to 21° C			
34° C and 14° C to 17° C, respectively.	Sky is likely to be partly cloudy the coming week			
Relative humidity varied from 44% to 96%.	• Relative Humidity is likely to range from 22% to 79%.			
• Wind speed ranged from 1 to 2 kmph	• 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
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.

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

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

Khasi Mandarin		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees
iniust munuur m		aphids,	to collect adult trunk borer
		mites,	
		trunk borer	
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done
Okra	Vegetative stage	-	Gap filling should be carried out
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 agair	nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
Poultry	Over cro	wding should	be avoided
	Deworm	ing should be	done periodically in the birds
			nerals along with feed
			uld be done to protect the birds from extreme heat
Piggery			perature, give enough clean drinking water.
	-	•	shed and animals with antiseptic solution should be done
			ld be taken to control flies be given iron injection (Inferon) at 4 th and 14 th days
	• Toung p	igicis silouiu (Fisheries
	• Reno	ovate the pond	ls. Strengthen embankments
		 In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha 	
			led with water, check the depth of shallow (less than 2 ft. water level) – harvest the
			another pond having sufficient water depth (atleast 3ft.)
			ot in fish body. If observed, remove the fish and dewater the pond and allow to
	sund	ry. Highly inf	ected fish should be buried with lime.

Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
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 14th to 18th April'18 Kiphire District

Bulletin No:30/2018

XXX			
Weather summary of the preceding week		ng week	Weather forecast valid upto 18 th April 2018
Light rain occurr	ed the past week		Probability of light rain the coming week.
•Maximum and minimum temperatures ranged			• Max temp is likely to be 25° C - 26° C and the min temp 14° C to 15° C
27° C to 28° C and	117^{0} C to 18^{0} C, resp	ectively.	Sky is likely to be mainly cloudy the coming week
Relative humidit	y varied from 23% t	0 85%.	Relative Humidity is likely to range from 21% to 90%.
• Wind speed rang	ed from 3 to 4 kmph	L	• Wind speed may reach upto 3-4 kmph
			Wind direction will be mostly easterly
General Recomm	endations		
Resort to d	leep ploughing durin	g summer seas	on
			crop (inter cropping/border cropping) which attract farmer friendly insects which
	e/kill harmful insect		
	des should be given		hemical pesticides
1	<u>U</u>	1	Field crops
Main Crops	Main Crops Stage Pest/		Agro-meteorological Advisories
		Diseases	
Paddy	Storage		• Place sticky traps in the drying and storage areas for rats.
-	-		• Standard manual the share standard and hind and of it social
			• Storage rooms should be physically rodent and bird proof, if possible.
			 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		
Green gram	Vegetative stage	-	• Inspect the stored seeds once a week for signs of insect infestation.
		-	• Inspect the stored seeds once a week for signs of insect infestation. Clean cultivation should be maintained
Green gram Maize	Vegetative stage 2 leaf stage	-	 Inspect the stored seeds once a week for signs of insect infestation. Clean cultivation should be maintained Early sowing of maize in March-April escapes the attack of most pests and crop
		-	 Inspect the stored seeds once a week for signs of insect infestation. Clean cultivation should be maintained 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
		-	 Inspect the stored seeds once a week for signs of insect infestation. Clean cultivation should be maintained 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
		-	 Inspect the stored seeds once a week for signs of insect infestation. Clean cultivation should be maintained 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
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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	s sufficient		
Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done
Okra	Vegetative stage	-	Gap filling should be carried out
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.
• Ensure p	eriodic vaccination of	animals agains	<i>Livestock</i> st 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 		e periodically in the birds s along with feed
Piggery	Proper cleanProper meas	ning of the shear sures should be	ature, give enough clean drinking water. d and animals with antiseptic solution should be done taken to control flies iven iron injection (Inferon) at 4 th and 14 th days
	Fisheries		
	 Renovate the ponds. Strengthen embankments In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.) Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry Highly infected fish should be buried with lime. 		

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1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
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Integrated Agromet Advisory Service Bulletin from 14th to 18th April'18 Kohima District

Bulletin No:30/2018

Weather summary of the preceding week	Weather forecast valid upto 18 th 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° C - 23° C and the min temp 12° C to 13° C
0 C to 25 0 C and 12 0 C to 14 0 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 93%.
• Wind speed ranged from 3 to 4 kmph	• Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly southeasterly
General Recommendations	

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

Field crops				
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories	
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.	
Hout oultural mon				

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

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Khasi		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shak
Mandarin		aphids,	the trees to collect adult trunk borer
		mites, trunk	
		borer	
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done
Okra	Vegetative stage	-	Gap filling should be carried out
Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.
Dringar	riera propulation		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 an
			Bacillus brevis for 1 hr.
Potato	Sowing stage	-	Select healthy and pure seed of high yielding varieties, free from pest
			and diseases. The tubers showing any surface borne disease like scal wart, nematode infection or effect of rots should be sorted out. It
			advisable to use certified seed for good yields.
			Livestock
• Ensure p	eriodic vaccination of	of animals agair	nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
Poultry		ding should be	
		-	e periodically in the birds
	Give vitamins and mineral		0
D'	-		be done to protect the birds from extreme heat
Piggery			ature, give enough clean drinking water. d 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 		
	<i>Fisheries</i>		
	• Renovate the ponds. Strengthen embankments		
	 In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha In case of pend filled with water sheek the depth of shellow (less then 2 ft, water level) - hereign 		
	 In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harves the fish or transfer to another pond having sufficient water depth (atleast 3ft.) 		
	 Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to 		
	• Check for red spot in fish body. If observed, remove the fish and dewater the point and allow to sundry. Highly infected fish should be buried with lime.		

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

Bulletin No:30/2018

Weather summary of the preceding week	Weather forecast valid upto 18 th April 2018			
Light rain occurred the past week	 Probability of light rain the coming week. 			
• Maximum and minimum temperatures ranged 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 28% to 85%.			
• Wind speed ranged from 3 to 4 kmph	• 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
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.

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		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake			
Mandarin		aphids,	the trees to collect adult trunk borer			
		mites, trunk				
		borer				
Summer	Vegetative stage	-	Timely weeding and earthing up should be done			
crops						
Okra	Vegetative stage	-	Gap filling should be carried out			
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 an Bacillus brevis for 1 hr.			
			Livestock			
			t FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax			
Poultry	Over crowding should be avoided					
			e periodically in the birds			
		amins and minerals along with feed				
			e done to protect the birds from extreme heat			
Piggery	• Due to increase in temperature, give enough clean drinking water.					
	-		and animals with antiseptic solution should be done			
	Proper measures should be taken to control flies					
	Young pigle	ets should be give	ven iron injection (Inferon) at 4 th and 14 th days			
			Fisheries			
	Renovat	te the ponds. Stu	rengthen embankments			
	• In dry p	ond, plough the	bottom soil and apply powdered lime @ 10kg/bigha			
		-	vith water, check the depth of shallow (less than 2 ft. water level) - harve			
			nother pond having sufficient water depth (atleast 3ft.)			
		-	fish body. If observed, remove the fish and dewater the pond and allow t			
	sundry	Highly infected	l fish should be buried with lime.			

भाकुं अनुप ICAR

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

Bulletin No:30/2018

Weather summary of the preceding week	Weather forecast valid upto 18 th 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° C - 26° C and the min temp 14° C to 15° C
27° C to 28° C and 15° C to 18° 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 30% to 92%.
• Wind speed ranged from 3 to 5 kmph	• Wind speed may reach upto 3 - 4 kmph
	Wind direction will be southeasterly

General Recommendations

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

Field crops

			·
Main	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.

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done
Okra	Vegetative stage	-	Gap filling should be carried out
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 vaccination	of animals again	<i>Livestock</i> nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
		 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 	
Poultry	Deworming aGive vitamin	should be done as and minerals	periodically in the birds along with feed
Poultry Piggery	 Deworming a Give vitamin Proper ventil Due to increa Proper cleand Proper measure 	should be done as and minerals ation should be ase in temperatu- ing of the shed a ures should be ta	periodically in the birds along with feed
	 Deworming a Give vitamin Proper ventil Due to increa Proper cleand Proper measure 	should be done as and minerals ation should be ase in temperatu- ing of the shed a ures should be ta	periodically in the birds along with feed done to protect the birds from extreme heat ure, give enough clean drinking water. and animals with antiseptic solution should be done aken to control flies

भाकुअनुप ICAR

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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 14th to 18th April'18 Mon District

Bulletin No:30/2018

Weather summary of the preceding week	Weather forecast valid upto 18 th 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° C - 25° C and the min temp 13° C to 14° C
26° C to 27° C and 14° C to 17° 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 32% to 90%.
 Wind speed ranged from 3 to 5 kmph 	Wind speed may reach upto 4- 6 kmph
	Wind direction will be mostly southeasterly
General Recommendations	
Resort to deep ploughing during summer sease	son
• 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 a	hemical pesticides
	Field crops
	•

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
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.
			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		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the	
Mandarin		aphids, mites, trunk borer	trees to collect adult trunk borer	
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done	
Okra	Vegetative stage	-	Gap filling should be carried out	
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.	
• Ensu	re periodic vaccinatio	n of animals agai	<i>Livestock</i> inst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax	
Poultry • Over crowdin • Deworming s • Give vitamin		ning should be do tamins and miner	wding should be avoided ng should be done periodically in the birds mins and minerals along with feed entilation should be done to protect the birds from extreme heat	
Piggery• Due to increase in tempera• Proper cleaning of the sheet• Proper measures should be		increase in tempe cleaning of the sh measures should	erature, give enough clean drinking water. hed and animals with antiseptic solution should be done	
			Fisheries	
	 In dry pond, plough t In case of pond filled the fish or transfer to Check for red spot in 		Strengthen embankments the bottom soil and apply powdered lime @ 10kg/bigha d with water, check the depth of shallow (less than 2 ft. water level) – harvest o another pond having sufficient water depth (atleast 3ft.) in fish body. If observed, remove the fish and dewater the pond and allow to cted fish should be buried with lime.	

भाकुंअनुप ICAR

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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 14th to 18th April'18 Peren District

Bulletin No:30/2018

Bulletin No:30	// 2018		
Weather summ	nary of the preced	ling week	Weather forecast valid upto 18 th April 2018
 Moderate rain occurred the past week 			 Probability of moderate rain the coming week.
 Maximum and minimum temperatures ranged 			• Max temp is likely to be 24° C - 25° C and the min temp 13° C to 14° C
	d 14^{0} C to 17^{0} C, re		Sky is likely to be mainly cloudy the coming week
 Relative humidit 			• Relative Humidity is likely to range from 40% to 94%.
• Wind speed rang	ged from 3 to 4 kn	nph	• Wind speed may reach upto 4-6 kmph
			Wind direction will be mostly southeasterly
General Recomm			
	leep ploughing du	U	
	÷	0	nain crop (inter cropping/border cropping) which attract farmer friendly insect
	manage/kill harm		
Bio-pestic	ides should be giv	en priority ov	ver chemical pesticides
			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	-	Clean cultivation should be maintained
0	stage		
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 pes
			infestation by interrupting the continuity of the food chain. Use resistant
			varieties in consultation with your respective agri department.
			Horticultural crop
Pit tor pla	intation of truit o	rone and agre	to restry should be completed by April Hypose the pit to suplight to kill the

• 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

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer	
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done	
Okra	Vegetative stage	-	Gap filling should be carried out	
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.	
<ul> <li>Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax</li> </ul>				
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				
Fisheries				
	<ul> <li>Renovate the ponds. Strengthen embankments</li> <li>In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha</li> <li>In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – the fish or transfer to another pond having sufficient water depth (atleast 3ft.)</li> <li>Check for red spot in fish body. If observed, remove the fish and dewater the pond and a sundry. Highly infected fish should be buried with lime.</li> </ul>			

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	Dr. Azeze Seyie	Scientist	Spices, Plantation & Medicinal &	
6			Aromatic Plants	azezeseyie@yahoo.com
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## Integrated Agromet Advisory Service Bulletin from 14th to 18th April'18 Phek District

#### Bulletin No:30/2018

Bulletin No	:30/2018		
Weather sur	mmary of the pred	ceding week	Weather forecast valid upto 18 th April 2018
Light rain oc	curred the past we	eek	<ul> <li>Probability of light rain the coming week.</li> </ul>
• Maximum	and minimum	temperatures	• Max temp is likely to be $23^{\circ}$ C - $24^{\circ}$ C and the min temp $13^{\circ}$ C to $14^{\circ}$ C
ranged 25 [°] C	C to $26^{\circ}$ C and 1	$13^{\circ}$ C to $15^{\circ}$ C,	Sky is likely to be mainly cloudy the coming week
respectively.			• Relative Humidity is likely to range from 27% to 90%.
	nidity varied from		• Wind speed may reach upto 3-5 kmph
• Wind speed i	ranged from 3 to 4	4 kmph	Wind direction will be southeasterly
Conoral Reco	mmendations		
	to deep ploughing	a during summe	er season
	11 0 0	0	nain crop (inter cropping/border cropping) which attract farmer friendly insects which
	mage/kill harmful		nam crop (inter cropping/border cropping) which attract farmer menory insects which
• Bio-pe	sticides should be	given priority	over chemical pesticides
			Field crops
Main Stage Pest/		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	-	Clean cultivation should be maintained
	stage		
Maize	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop
			rotation should be carried out with other crops as it reduces the pest infestation by
			interrupting the continuity of the food chain. Use resistant varieties in consultation
			with your respective agri department.

### Horticultural crop

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

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

### planting

भाकुंअनुष ICAR • 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 the trees to		
Mandarin		aphids,	collect adult trunk borer		
		mites, trunk			
		borer			
Summer	Vegetative	-	Timely weeding and earthing up should be done		
crops	stage				
Okra	Vegetative	-	Gap filling should be carried out		
	stage				
Brinjal	Field		Thoroughly prepare the field with application of well dried FYM.		
	preparation		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	e periodic vaccinat	ion of animals a	against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
Poultry	Over crov	vding should be	e avoided		
	Dewormin	ng should be do	one periodically in the birds		
	Give vitar	Give vitamins and minerals along with feed			
	Proper ver	ntilation should	be done to protect the birds from extreme heat		
Piggery	Due to inc	crease in temper	rature, give enough clean drinking water.		
	Proper cle	eaning of the sh	ed and animals with antiseptic solution should be done		
	<b>▲</b>		be taken to control flies		
	Young pig	glets should be	given iron injection (Inferon) at 4 th and 14 th days		
Fisheries					
	Renovate the ponds. Strengthen embankments				
	• In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha				
	• In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish				
	or transfer to another pond having sufficient water depth (atleast 3ft.)				
	Check	for red spot in	n fish body. If observed, remove the fish and dewater the pond and allow to sundry.		
			should be buried with lime.		

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

Bulletin No:30/2018

Bulletin No:30/2018				
Weather su	ummary of the prece	ding week	Weather forecast valid upto 18 th April 2018	
Light rain oc	• Light rain occurred the past week		<ul> <li>Probability of light rain the coming week.</li> </ul>	
	nd minimum temper		• Max temp is likely to be $20^{\circ}$ C - $21^{\circ}$ C and the min temp $11^{\circ}$ C to $12^{\circ}$ C	
$21^{\circ}$ C to $23^{\circ}$ C	C and $10^{0}$ C to $11^{0}$ C, r	espectively.	• Sky is likely to be mainly cloudy the coming week	
Relative hum	nidity varied from 29	% to 80%.	• <b>Relative Humidity</b> is likely to range from 29% to 90%.	
• Wind speed	ranged from 3 to 4 k	mph	• Wind speed may reach upto 3-4 kmph	
	-	-	• Wind direction will be southerly	
General Reco	ommendations			
Resort	to deep ploughing du	uring summer s	season	
			ain crop (inter cropping/border cropping) which attract farmer friendly insects	
	can manage/kill harn			
<ul> <li>Bio-pe</li> </ul>	sticides should be give	ven priority ov	er chemical pesticides	
			Field crops	
Main Stage Pest/		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 <b>maize</b> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest	
			infestation by interrupting the continuity of the food chain. Use resistant	
			varieties in consultation with your respective agri department.	
			Horticultural cron	

#### 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

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	• As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good who content in the soil is sufficient			tables 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
	Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done
	Okra	Vegetative stage	-	Gap filling should be carried out
	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 vaccinatior	of animals ag	<i>Livestock</i> ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
	Poultry	<ul><li>Deworming</li><li>Give vitami</li></ul>	ns and mineral	woided e periodically in the birds s along with feed be done to protect the birds from extreme heat
	Piggery			
	Fisheries			
Pärill		<ul> <li>Renovate the ponds. Strengthen embankments</li> <li>In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha</li> <li>In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.)</li> <li>Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime.</li> </ul>		

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

#### Bulletin No:30/2018

Duileun N0:30/2010				
Weather s	summary of the preced	ing week	Weather forecast valid upto 18 th April 2018	
	curred the past week		<ul> <li>Probability of moderate rain the coming week.</li> </ul>	
• Maximum and minimum temperatures ranged			• Max temp is likely to be $24^{\circ}$ C - $25^{\circ}$ C and the min temp $14^{\circ}$ C to $15^{\circ}$ C	
$26^{\circ}$ C to $27^{\circ}$ C	and $14^{\circ}$ C to $17^{\circ}$ C, resp	ectively.	• Sky is likely to be mainly cloudy the coming week	
Relative hum	idity varied from 32%	to 85%.	• <b>Relative Humidity</b> is likely to range from 33% to 95%.	
• Wind speed ra	anged from 4 to 5 kmpl	h	• Wind speed may reach upto 4- 5 kmph	
			Wind direction will be southeasterly	
<b>General Reco</b>	nmendations			
Resort t	to deep ploughing durir	ng summer seas	son	
• Grow s	uch crops surrounding/	near the main	crop (inter cropping/border cropping) which attract farmer friendly insects	
	an manage/kill harmfu			
• Bio-pes	ticides should be given	priority over o	chemical pesticides	
			Field crops	
			- · · · · · · · · · · · · · · · · · · ·	
Main Stage Pest/		Pest/	Agro-meteorological Advisories	
Crops	0	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	
U				
Maize	2 leaf stage		<i>Early sowing of maize in March-April escapes the attack of most pests</i>	
Maize 2 leaf stage			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.	
			resistant varieties in consultation with your respective ugri department.	
			Horticultural crop	

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

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

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer			
Summer crops	Vegetative stage	-	Timely weeding and earthing up should be done			
Okra	Vegetative stage	-	Gap filling should be carried out			
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.			
• Ensure	Livestock     Ensure periodic vaccination of animals 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 4th and 14th days</li> </ul>					
	Fisheries					
	<ul> <li>In dry por</li> <li>In case of the fish or</li> <li>Check for</li> </ul>	nd, plough the b pond filled wi transfer to and red spot in fis	engthen embankments bottom soil and apply powdered lime @ 10kg/bigha th water, check the depth of shallow (less than 2 ft. water level) – harvest other pond having sufficient water depth (atleast 3ft.) sh body. If observed, remove the fish and dewater the pond and allow to fish should be buried with lime.			

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

#### Bulletin No:30/2018

Weather summary of the preceding week	Weather forecast valid upto 18 th April 2018
<ul> <li>Light rain occurred the past week</li> <li>Maximum and minimum temperatures ranged 24°C to 25°C and 12°C to 14°C, respectively.</li> </ul>	<ul> <li>Probability of light rain the coming week.</li> <li>Max temp is likely to be 24^oC - 25^oC and the min temp 13^oC to 14^oC</li> <li>Sky is likely to be mainly cloudy the coming week</li> </ul>
<ul> <li>Relative humidity varied from 31% to 84%.</li> <li>Wind speed ranged from 4 to 5 kmph</li> </ul>	<ul> <li>Relative Humidity is likely to range from 28% to 92%.</li> <li>Wind speed may reach upto 4-6 kmph</li> </ul>
	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	
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 <b>maize</b> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.	

#### Horticultural crop

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

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

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer				
Summer crops	er Vegetative stage -		Timely weeding and earthing up should be done				
Okra	Vegetative stage	-	Gap filling should be carried out				
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.				
<ul> <li><i>Livestock</i></li> <li>Ensure periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax</li> </ul>							
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 4th and 14th days</li> </ul>						
Fisheries							
	<ul> <li>Renovate the ponds. Strengthen embankments</li> <li>In dry pond, plough the bottom soil and apply powdered lime @ 10kg/bigha</li> <li>In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) – harvest the fish or transfer to another pond having sufficient water depth (atleast 3ft.)</li> <li>Check for red spot in fish body. If observed, remove the fish and dewater the pond and allow to sundry. Highly infected fish should be buried with lime.</li> </ul>						

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