

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

Bulletin No:31/2018

Dunenn 10001/2010				
Weather summary of the preceding week	Weather forecast valid upto 22 nd 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 31° C - 32° C and the min temp 19° C to 20° 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 23% to 85%.			
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 chemic 	cal pesticides			

- 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/		Pest/	Agro-meteorological Advisories		
	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 po		• 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	m Vegetative stage - Clean cultivation should be maintained		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		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		
			Hartigultural grop		

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

		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the tree to collect adult trunk borer	
			For cucurbits, after germination if there is attack of red pumpkin beetle, contr the insect with the dusting of mixture of kerosene oil + ash in adequa proportion.	
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit bor adults. Gap filling should be done	
Brinjal Field preparation Ginger / turmeric Sowing			Thoroughly prepare the field with application of well dried FYM. Maize should be planted on the border to control movement of white flies	
		-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Bioz containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacill brevis for 1 hr.	
• Ensure per	iodic vaccination of	animals agair	<i>Livestock</i> nst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax	
Poultry	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 • Due to increase in temperature, give enough clean drinking water. • Proper cleaning of the shed and animals with antiseptic solution should be done • Proper measures should be taken to control flies • Young piglets should be given iron injection (Inferon) at 4 th and 14 th days				
Fisheries				
Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive				

ніф'янці ІСАК

Sl.no	Name	Designation	Department	
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 18th to 22nd April'18 Kiphire District

Bulletin No:31/2018

Weather summary of the preceding week		ing week	Weather forecast valid upto 22 nd April 2018	
Light rain occur	red the past week		 Probability of light rain the coming week. 	
• Maximum and minimum temperatures ranged			• Max temp is likely to be 27° C - 28° C and the min temp 15° C to 16° C	
27° C to 28° C and 17° C to 18° C, respectively.		ectively.	Sky is likely to be mainly cloudy the coming week	
Relative humidi	ty varied from 23% t	o 85%.	Relative Humidity is likely to range from 31% to 85%.	
• Wind speed ranged from 3 to 4 kmph		ı	• Wind speed may reach upto 2-4 kmph	
			Wind direction will be mostly easterly	
General Recomm	nendations			
Resort to	deep ploughing durin	g summer seas	on	
		-	crop (inter cropping/border cropping) which attract farmer friendly insects which	
	ge/kill harmful insect			
	ides should be given		hemical pesticides	
Field crops				
Main Crops Stage Pest/		Pest/	Agro-meteorological Advisories	
- î	Ŭ	Diseases		
		• 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	
Ŭ				
Maize	2 leaf stage		Early sowing of maize in March-April escapes the attack of most pests and crop	
	2 1001 500.80		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	
			the first contract can give you off season regenerie and a good price	

Horticultural crop

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake trees to collect adult trunk borer
Cucurbits	Germination stage		For cucurbits, after germination if there is attack of red pumpkin beetle, cont the insect with the dusting of mixture of kerosene oil + ash in adequa proportion.
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit bo 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 / turmericSowing-		-	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	periodic vaccination of	animals agains	<i>Livestock</i> st FMD, Brucellosis, Haemorrahagic, Septicaemia, Anthrax
 Ensure periodic vaccination of animals against 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 Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 			
Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive			

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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	rie Scientist Spices, Plantation & Medicinal &		
6			Aromatic Plants	azezeseyie@yahoo.com
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Kohima District

Bulletin No:31/2018

Weather summary of the preceding week	Weather forecast valid upto 22 nd 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 24° C - 25° C and the min temp 13° C to 14° 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 45% to 93%.
• 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/ Agro-meteorological Advisories Diseases Diseases Diseases 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.	
Water harvestingSummer rain is erratic. Dig more number of jalkund or p water right now. Harvested rainwater can give you off sea		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	

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

Khasi MandarinGermination stageCucurbitsGermination stageOkraVegetative stageBrinjalField preparationGinger / turmericSowingKhasi MandarinImage: Complexity of the second se		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 is adequate proportion.			
		-	Grow maize on border as a barrier to prevent the entry of shoot & frue borer adults. Gap filling should be done			
			Thoroughly prepare the field with application of well dried FYM.Maize should be planted on the border to control movement of white flies			
		-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum an Bacillus brevis for 1 hr.			
		Leaf miner, aphids, mites, trunk borer	er, Spray neem oil @5ml/litre water against leaf miner, aphids, mites. the trees to collect adult trunk borer			
Ensur	e periodic vaccination of		<i>Livestock</i> ast FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax			
Poultry	 Over crowe Deworming Give vitam 	ding should be a g should be don iins and mineral				
Piggery	 Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 					
			Fisheries			
Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive						

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

Bulletin No:31/2018

Weather summary of the preceding week	Weather forecast valid upto 22 nd 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 36% to 83%.
• 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.	
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

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 & frui 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 an Bacillus brevis for 1 hr.			
_		Livestock				
 Ensure periodic vaccination of animals against 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 						
 Proper ventilation should be done to protect the birds from extreme heat Piggery Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 			cure, give enough clean drinking water. and animals with antiseptic solution should be done taken to control flies			
Fisheries						
	Complete the work	of digging or re	e- digging of pond by next one or two weeks before the monsoon arrive			

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

Bulletin No:31/2018

Weather summary of the preceding week	Weather forecast valid upto 22 nd 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 27° C - 28° C and the min temp 15° C to 16° 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 38% to 90%.
• Wind speed ranged from 3 to 5 kmph	• Wind speed may reach upto 4 - 5 kmph
	Wind direction will be southeasterly

General Recommendations

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

Field crops

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

Horticultural crop

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	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	<i>Livestock</i> re periodic vaccination of animals against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax					
Poultry	Deworming sGive vitamin	s and minerals	oided periodically in the birds along with feed done to protect the birds from extreme heat			
Piggery • Due to increase in temperature, give enough clean drinking water. • Proper cleaning of the shed and animals with antiseptic solution should be done • Proper measures should be taken to control flies • Young piglets should be given iron injection (Inferon) at 4 th and 14 th days						
	· · · · · ·		Fisheries			
Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive						

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

Bulletin No:31/2018

		ummary of the pro		Weather forecast valid upto 22 nd April 2018
	Light rain occurred the past weekMaximum and minimum temperatures ranged			 Probability of light rain the coming week.
				d $ $ • Max temp is likely to be 26 ^o C - 27 ^o C and the min temp 14 ^o C to 15 ^o C
		and 14° C to 17° C,		• Sky is likely to be mainly cloudy the coming week
	Relative humi	dity varied from 3	3% to 87%	• Relative Humidity is likely to range from 40% to 73%.
		inged from 3 to 5 l		• Wind speed may reach upto 3- 4 kmph
	I.	U	1	Wind direction will be mostly southeasterly
	General Recon	nmendations		
	•			
				Field crops
	Main Stage Pest/			Agro-meteorological Advisories
	Crops	2 orgo	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
	Ū			good price
			•	

Horticultural crop

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

	before planting					
	Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	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.		
	Watan			Livestock		
	• waters	Over cruDewormGive vit	owding should b ning should be d tamins and mine	stock shed to avoid mosquito breeding e avoided one periodically in the birds rals along with feed d be done to protect the birds from extreme heat		
	Piggery	 Due to increase in temperature, give enough clean drinking water. Proper cleaning of the shed and animals with antiseptic solution should be done Proper measures should be taken to control flies Young piglets should be given iron injection (Inferon) at 4th and 14th days 				
		<i>Fisheries</i>				
HIEP 31-FILI ICAR		Complete the w	Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive			

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6			Aromatic Plants	azezeseyie@yahoo.com
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Peren District

Bulletin No:31/2018

Bulletin No:31/2018							
Weather sum	nary of the precea	ling week	Weather forecast valid upto 22 nd April 2018				
 Moderate rain occurred the past week Maximum and minimum temperatures ranged 26°C to 27°C and 14°C to 17°C, respectively. Relative humidity varied from 30% to 87%. Wind speed ranged from 3 to 4 kmph 			 Probability of moderate rain the coming week. Max temp is likely to be 24°C - 25°C and the min temp 13°C to 14°C Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 40% to 94%. Wind speed may reach upto 4-6 kmph Wind direction will be mostly southeasterly 				
	deep ploughing du	-					
which can	manage/kill harm	ful insects.	ain crop (inter cropping/border cropping) which attract farmer friendly insects er 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.				
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

भाकुंअनुप 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		
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 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) Biozi containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillu brevis for 1 hr.		
			Livestock		
	-		ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax		
Poultry		rowding should			
			done periodically in the birds		
			erals along with feed Id be done to protect the birds from extreme heat		
Piggery			perature, give enough clean drinking water.		
1 18801 9		-	shed and animals with antiseptic solution should be done		
		 Proper measures should be taken to control flies 			
	-	 Young piglets should be given iron injection (Inferon) at 4th and 14th days 			
			Fisheries		
	Complete the v	work of digging	or re- digging of pond by next one or two weeks before the monsoon arrive		
	1	Complete the work of digging or re- digging of pond by next one or two weeks before the monsoon arrive			

Sl.no	Name	Designation	Department	
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Phek District

Bulletin No:31/2018

Weather summary of the preceding week	Weather forecast valid upto 22 nd April 2018			
• Light rain occurred the past week	 Probability of light rain the coming week. 			
• Maximum and minimum temperatures				
ranged 25° C to 26° C and 13° C to 15° C,	Sky is likely to be mainly cloudy the coming week			
respectively.	Relative Humidity is likely to range from 39% to 93%.			
• Relative humidity varied from 28% to 85%.	• Wind speed may reach upto 2-3 kmph			
• Wind speed ranged from 3 to 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.	
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

भाकुं अनुष 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			
Mandarin		aphids,	to collect adult trunk borer			
		mites, trunk				
		borer				
Cucurbits	Cucurbits Germination		For cucurbits, after germination if there is attack of red pumpkin beetle, control the			
	stage		insect with the dusting of mixture of kerosene oil + ash in adequate proportion.			
Okra	Vegetative	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults.			
	stage		Gap filling should be done			
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			
			against FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax			
Poultry		vding should be				
		Deworming should be done periodically in the birds				
			als along with feed			
	^		be done to protect the birds from extreme heat			
Piggery		-	rature, give enough clean drinking water.			
	Proper cle	eaning of the sh	ed and animals with antiseptic solution should be done			
			be taken to control flies			
	• Young piglets should be given iron injection (Inferon) at 4 th and 14 th days					
			Fisheries			
	Complete the wor	rk of digging or	r re- digging of pond by next one or two weeks before the monsoon arrive			

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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 &	
6			Aromatic Plants	azezeseyie@yahoo.com
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Tuensang District

Bulletin No:31/2018

o 12 ⁰ C				
Wind speed may reach upto 3-4 kmph				
ndly insects				
Field crops				
Agro-meteorological Advisories				
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tion. st pests and				
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tion. st pests and ces the pest se resistant store water				

• 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

Khasi Mandarin		Leaf miner, aphids,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect 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.
			Livestock
			ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
Poultry		ing should be a	e periodically in the birds
	e e e e e e e e e e e e e e e e e e e		s along with feed
			be done to protect the birds from extreme heat
Piggery			ture, give enough clean drinking water.
	Proper clean	ning of the sheet	d and animals with antiseptic solution should be done
			e taken to control flies
	Young pigle	ets should be gi	iven iron injection (Inferon) at 4 th and 14 th 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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5	Dr. Mahak Singh	Scientist	Animal Reproduction & Gynaecology	mahaksinghivri@gmail.com
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Wokha District

Bulletin No:31/2018

Dunieun No:	31/2010		
Weather summary of the preceding week		ing week	Weather forecast valid upto 22 nd April 2018
Light rain occ	curred the past week		 Probability of moderate rain the coming week.
• Maximum and minimum temperatures ranged			• Max temp is likely to be 25° C - 27° C and the min temp 14° C to 15° C
	and 14° C to 17° C, resp	•	Sky is likely to be mainly cloudy the coming week
	idity varied from 32%		• Relative Humidity is likely to range from 35% to 95%.
• Wind speed r	anged from 4 to 5 kmp	h	• Wind speed may reach upto 4- 5 kmph
			Wind direction will be southeasterly
General Reco			
	to deep ploughing during	0	
			crop (inter cropping/border cropping) which attract farmer friendly insects
	an manage/kill harmfu		
• Bio-pes	ticides should be giver	n priority over o	
			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

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. Shak
Mandarin		aphids,	the trees to collect adult trunk borer
		mites, trunk	
<u> </u>		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 i
			adequate proportion.
Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fru
			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 /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of wate
turmeric			Biozin containing Pseudomonas aeruginosa, Trichoderma harzianu
			and Bacillus brevis for 1 hr.
			Livestock
	e periodic vaccination of		st FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
		a chould be or	oided
Poultry	Over crowdin	U	
Poultry	Deworming s	hould be done j	periodically in the birds
Poultry	Deworming sGive vitaming	should be done j s and minerals a	periodically in the birds along with feed
	Deworming sGive vitamingProper ventila	should be done j s and minerals a ation should be	periodically in the birds along with feed done to protect the birds from extreme heat
Poultry Piggery	 Deworming s Give vitamins Proper ventila Due to increa 	should be done j s and minerals a ation should be use in temperatu	periodically in the birds along with feed done to protect the birds from extreme heat re, give enough clean drinking water.
	 Deworming s Give vitaming Proper ventila Due to increa Proper cleaning 	should be done j s and minerals a ation should be se in temperatu ng of the shed a	periodically in the birds along with feed done to protect the birds from extreme heat re, give enough clean drinking water. and animals with antiseptic solution should be done
	 Deworming s Give vitamins Proper ventila Due to increa Proper cleaning Proper measure 	should be done j s and minerals a ation should be use in temperatu ng of the shed a ures should be ta	periodically in the birds along with feed <u>done to protect the birds from extreme heat</u> re, give enough clean drinking water. and animals with antiseptic solution should be done aken to control flies
	 Deworming s Give vitamins Proper ventila Due to increa Proper cleaning Proper measure 	should be done j s and minerals a ation should be use in temperatu ng of the shed a ures should be ta	periodically in the birds along with feed done to protect the birds from extreme heat re, give enough clean drinking water. and animals with antiseptic solution should be done aken to control flies en iron injection (Inferon) at 4 th and 14 th days
	 Deworming s Give vitaming Proper ventila Due to increa Proper cleaning Proper measu Young piglets 	should be done j s and minerals a ation should be use in temperatu ng of the shed a ures should be ta s should be give	periodically in the birds along with feed done to protect the birds from extreme heat re, give enough clean drinking water. and animals with antiseptic solution should be done aken to control flies en iron injection (Inferon) at 4 th and 14 th days Fisheries
	 Deworming s Give vitaming Proper ventila Due to increa Proper cleaning Proper measu Young piglets 	should be done j s and minerals a ation should be use in temperatu ng of the shed a ures should be ta s should be give	periodically in the birds along with feed done to protect the birds from extreme heat re, give enough clean drinking water. and animals with antiseptic solution should be done aken to control flies en iron injection (Inferon) at 4 th and 14 th days

SCIENTIFIC	EXPERT	COMMITTEE
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Sl.no	Name	Designation	Department	
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Integrated Agromet Advisory Service Bulletin from 18th to 22nd April'18 Zunheboto District

Bulletin No:31/2018

Weather summary of the preceding week	Weather forecast valid upto 22 nd April 2018			
Light rain occurred the past weekMaximum and minimum temperatures ranged	 Probability of light rain the coming week. Max temp is likely to be 25°C - 26°C and the min temp 13°C to 14°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%.Wind speed ranged from 4 to 5 kmph	 Relative Humidity is likely to range from 40% to 94%. Wind speed may reach upto 4-5 kmph 			
	Wind direction will be southeasterly			

General Recommendations

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

Field crops

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

Horticultural crop

• Pit for plantation of fruit crops and agro forestry should be completed by April. Expose the pit to sunlight to kill the microbial infection as well as soil borne pests for 15-20 days. Then fill the pit with top 50cm soil with 1 kg lime, 15-20

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

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

Mandarin		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the
		aphids,	trees to collect adult trunk borer
		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 is adequate 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 /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water) Biozi
turmeric			containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillu
			brevis for 1 hr.
			Livestock
• Ensur	re periodic vaccinatio	n of animals ag	<i>Livestock</i> ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
• Ensur Poultry		<u>n of animals ag</u> ling should be a	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
	Over crowd	ling should be a	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax
	Over crowd Deworming	ling should be a g should be done	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided
	 Over crowc Deworming Give vitam 	ling should be a g should be don ins and mineral	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided e periodically in the birds s along with feed
Poultry	 Over crowd Deworming Give vitam Proper vent 	ling should be a g should be don ins and mineral ilation should b	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided e periodically in the birds s along with feed be done to protect the birds from extreme heat
	 Over crowd Deworming Give vitam Proper vent Due to incr 	ling should be a g should be dong ins and mineral ilation should b ease in tempera	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided e periodically in the birds s along with feed be done to protect the birds from extreme heat ture, give enough clean drinking water.
Poultry	 Over crowd Deworming Give vitam Proper vent Due to incr Proper cleat 	ling should be a g should be don ins and mineral ilation should b ease in tempera ning of the shee	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided e periodically in the birds s along with feed be done to protect the birds from extreme heat ture, give enough clean drinking water. d and animals with antiseptic solution should be done
Poultry	 Over crowd Deworming Give vitam Proper vent Due to incr Proper clea Proper mea 	ling should be a g should be done ins and mineral ilation should b ease in tempera ning of the shec sures should be	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided e periodically in the birds s along with feed be done to protect the birds from extreme heat ture, give enough clean drinking water. d and animals with antiseptic solution should be done e taken to control flies
Poultry	 Over crowd Deworming Give vitam Proper vent Due to incr Proper clea Proper mea 	ling should be a g should be done ins and mineral ilation should b ease in tempera ning of the shec sures should be	ainst FMD, Brucellosis, Haemorrahagic Septicaemia, Anthrax avoided e periodically in the birds s along with feed be done to protect the birds from extreme heat ture, give enough clean drinking water. d and animals with antiseptic solution should be done



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

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