

NAGALAND CENTER, JHARNAPANI. MEDZIPHEMA

ICAR RESEARCH COMPLEX FOR NEH REGION (Indian Council of Agricultural Research)

Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Dimapur District

Bulletin No:34/2018

Dunieun 110.34	/2010		
	summary of the prec	eding week	Weather forecast valid upto 2 nd May 2018
• No rain occurred the past week			 Probability of light rain the coming week.
• Maximum and minimum temperatures ranged 30 ^o C to			
	o 19 ⁰ C, respectively.		Sky is likely to be partly cloudy the coming week
Relative humidi	ty varied from 44% t	o 96%.	• Relative Humidity is likely to range from 23% to 85%.
 Wind speed range 	ged from 1 to 2 kmpł	ı	 Wind speed may reach upto 3- 4 kmph
			Wind direction will be mostly easterly
Timely we	eeding and earthing u	ip should be ca	urried out
			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	vegetative stage		Early sowing of maize in March-April escapes the attack of most pests and crop
			rotation should be carried out with other crops as it reduces the pest infestation
			by interrupting the continuity of the food chain. Use resistant varieties in
			consultation with your respective agri department.
Water			Summer rain is erratic. Dig more number of jalkund or pond to store water right
harvesting			now. Harvested rainwater can give you off season vegetable and a good price
			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 content in the soil is sufficient

			aphids, mites, trunk borer	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.	
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding				
	 Poultry Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and coordrinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed by 10% Birds must be vaccinated against infectious diseases Remove caked up and wet litter immediately from the poultry house to stop excess heat production 				
	 <i>Piggery</i> Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress Offer feed that is higher in protein and vitamins to help compensate for their reductionin food intake as pigs tend to eat less feed during summer 				
	Fisheries				
Higosiejų ICAR	 Lime pond as per recommended dose @10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth 				

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 &	
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 28th April to 2nd May'18 Kiphire District

Bulletin No:34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 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 29° C - 30° C and the min temp 14° C to 15° C					
26° C to 28° C and 15° C to 16° 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 27% to 85%.					
• Wind speed ranged from 3 to 4 kmph	Wind speed may reach upto 3-4 kmph					
	Wind direction will be mostly easterly					
• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too						
	Field crops					

Main Crops	Stage	Pest/ 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	vegetative 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		aphids,	trees to collect adult trunk borer		
			mites, trunk			
			borer			
	Cucurbits	Germination		For cucurbits, after germination if there is attack of red pumpkin beetle, control		
		stage		the insect with the dusting of mixture of kerosene oil + ash in adequate proportion.		
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit borer		
				adults.		
	Brinjal	Field preparation		Gap filling should be done Thoroughly prepare the field with application of well dried FYM.		
	มาเกาน	Field 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 Water stagnation should be avoided in livestock shed to avoid mosquito breeding					
	 <i>Poultry</i> Double the watering space in poultry houses during summer. Provide plenty of fresh , clean a 					
	·		ter during hot v			
	• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%					
	Birds must be vaccinated against infectious diseases					
		• Remove cak	ted up and wet	d up and wet litter immediately from the poultry house to stop excess heat production		
	Piggery • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress					
		• Offer feed t	hat is higher in	protein and vitamins to help compensate for their reductionin food intake as pigs		
		tend to eat le	ess feed during	summer		
			Fisheries			
	Lime pond as per recommended dose @10kg/bigha					
	 Stock fish fingerling @8000/ha 					
		• Strengthen e	embankment to	avoid erosion due to heavy rainfall		
भाकुअनुप		• If possible,	stock bigger siz	ze fish seed to ensure faster growth		
ICAR						

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



Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Kohima District

Bulletin No:34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 2018				
Light rain occurred the past week	Probability of moderate rain the coming week.				
• Maximum and minimum temperatures ranged 22	• Max temp is likely to be 26° C - 27° C and the min temp 14° C to 15° C				
0 C to 25 0 C and 12 0 C to 15 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 39% to 92%.				
• Wind speed ranged from 3 to 4 kmph	• Wind speed may reach upto 3-4 kmph				
	Wind direction will be mostly easterly				
• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too					

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

Field crops			
Stage	Pest/ Diseases	Agro-meteorological Advisories	
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. 	
Vegetative stage	-	Clean cultivation should be maintained	
vegetative 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.	
		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	
	Storage Vegetative stage	Diseases Storage Vegetative stage	

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, mites, trunk borer	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.
	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
	• Water sta	gnation should be a	voided in livesto	<i>Livestock</i>
	 Water stagnation should be avoided in livestock shed to avoid mosquito breeding Poultry Double the watering space in poultry houses during summer. Provide plenty of fresh, or drinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed b Birds must be vaccinated against infectious diseases Remove caked up and wet litter immediately from the poultry house to stop excess heat to be a stop excess heat to bex			in poultry houses during summer. Provide plenty of fresh , clean and cool weather intake during summer, reduce the energy content of the feed by 10%
	Piggery	• Offer feed	that is higher in	ss to an abundant fresh, cool drinking water to avoid heat stress a protein and vitamins to help compensate for their reductionin food intake during summer
	Fisheries			
Higosteju ICAR		 Lime pond as per recommended dose @10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth 		

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Longleng District

Bulletin No:34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 2018
Light rain occurred the past week	 Probability of light rain the coming week.
• Maximum and minimum temperatures ranged 24 [°] C	• Max temp is likely to be 29° C - 30° C and the min temp 15° C to 16° C
to 27° 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 27% to 80%.
• Wind speed ranged from 3 to 4 kmph	• Wind speed may reach upto 3- 4 kmph
	Wind direction will be mostly southeasterly
Time la ser d'an and southing and should be seen	

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

Field crops				
Stage	Pest/	Agro-meteorological Advisories		
	Diseases			
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.		
Vegetative stage	-	Clean cultivation should be maintained		
vegetative 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.		
		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		
	Storage Vegetative stage	Diseases Storage Vegetative stage		

Horticultural crop

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

	Khasi		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake	
	Mandarin		aphids,	the trees to collect adult trunk borer	
	Ivianaar m		mites, trunk	the trees to conect dduit trank borer	
			borer		
	Cucurbits	Germination stage		For cucurbits, after germination if there is attack of red pumpkin beetle,	
		C		control the insect with the dusting of mixture of kerosene oil + ash in	
				adequate proportion.	
	Okra	Vegetative stage	-	Grow maize on border as a barrier to prevent the entry of shoot & fruit	
				borer adults.	
				Gap filling should be done	
	Brinjal	Field preparation		Thoroughly prepare the field with application of well dried FYM.	
				Maize should be planted on the border to control movement of white flies	
	Ginger /	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water)	
	turmeric	C		Biozin containing Pseudomonas aeruginosa, Trichoderma harzianum and	
				Bacillus brevis for 1 hr.	
	Livestock				
	Water stag	• Water stagnation should be avoided in livestock shed to avoid mosquito breeding			
	Poultry	• Double the	watering space	in poultry houses during summer. Provide plenty of fresh, clean and cool	
		drinking wa	ter during hot w	reather	
		• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%			
		Birds must be vaccinated against infectious diseases			
		Remove cak	ed up and wet l	itter immediately from the poultry house to stop excess heat production	
	Piggery	• Ensure that	pigs have access	s to an abundant fresh, cool drinking water to avoid heat stress	
		Offer feed the other teed the other teed the other teed teed teed teed teed teed teed te	nat is higher in	protein and vitamins to help compensate for their reductionin food intake as	
			eat less feed du		
	Fisheries				
		-	-	nded dose @10kg/bigha	
			ngerling @8000		
		Strengthen e	embankment to	avoid erosion due to heavy rainfall	
भाकुअनुप		• If possible, s	stock bigger size	e fish seed to ensure faster growth	
ICAR					

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Mokokchung District

Bulletin No:34/2018

Dunetin 110134/2010		
Weather summary of the preceding week	Weather forecast valid upto 2 nd May 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 29° C - 30° C and the min temp 14° C to 15° C	
24° C to 28° C and 14° 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 33% to 95%.	
Wind speed ranged from 3 to 5 kmph	Wind speed may reach upto 2 - 4 kmph	
	Wind direction will be southeasterly	
• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too		

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	vegetative stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.
Water			Summer rain is erratic. Dig more number of jalkund or pond to store water
harvesting			right now. Harvested rainwater can give you off season vegetable and a good price

Horticultural crop

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

Khasi	Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the
Mandarin	aphids,	trees to collect adult trunk borer

Okra Brinjal Ginger / turmeric	Germination stage Vegetative stage Field preparation Sowing	borer - -	 For cucurbits, after germination if there is attack of red pumpkin beetle, control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion. Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done 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 and Bacillus brevis for 1 hr.
Okra Brinjal Ginger / turmeric	Vegetative stage Field preparation Sowing	-	 control the insect with the dusting of mixture of kerosene oil + ash in adequate proportion. Grow maize on border as a barrier to prevent the entry of shoot & fruit borer adults. Gap filling should be done 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 and Bacillus
Brinjal Ginger / turmeric	Field preparation Sowing	-	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 and Bacillus
Ginger / turmeric	Sowing	-	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 and Bacillus
turmeric		-	containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacillus
• Water stag			
• Water sta			Livestock
	ignation should be a	voided in livest	ock shed to avoid mosquito breeding
Poultry	Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and cool drinkin water during hot weather		
	• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%		
	• Birds must be	e vaccinated aga	ainst infectious diseases
	• Remove caked up and wet litter immediately from the poultry house to stop excess heat production		
Piggery	• Ensure that p	igs have access	to an abundant fresh, cool drinking water to avoid heat stress
	• Offer feed that	at is higher in p	protein and vitamins to help compensate for their reductionin food intake as pigs
	tend to eat less feed during summer		
i			Fisheries
	• Lime pond as	per recommen	ded dose @10kg/bigha
	-	gerling @8000	
		0 0	void erosion due to heavy rainfall
	Ũ		fish seed to ensure faster growth

भाकुअनुप ICAR

SCIENTIFIC EXPERT	COMMITTEE
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Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 **Mon District**

Bulletin No:34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 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 28° C - 29° C and the min temp 14° C to 15° C			
24° 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 35% to 82%.			
• Wind speed ranged from 3 to 5 kmph	• Wind speed may reach upto 3- 4 kmph			
	Wind direction will be mostly southeasterly			
Timely weeding and earthing up should be carried out				

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	vegetative stage		Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.
Water harvesting			Summer rain is erratic. Dig more number of jalkund or pond to store water right now. Harvested rainwater can give you off season vegetable and a good price

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

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

	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	
	BrinjalField preparationGinger / turmericSowing			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 and Bacillus brevis for 1 hr.	
	• Water	stagnation should be	e avoided in lives	<i>Livestock</i> stock shed to avoid mosquito breeding	
	Poultry	 Double the watering space in poultry houses during summer. Provide plenty of fresh , clean and drinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed by 10% Birds must be vaccinated against infectious diseases 		ace in poultry houses during summer. Provide plenty of fresh , clean and cool of weather ed intake during summer, reduce the energy content of the feed by 10%	
	 Piggery Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat str Offer feed that is higher in protein and vitamins to help compensate for their reduction as pigs tend to eat less feed during summer 		ccess to an abundant fresh, cool drinking water to avoid heat stress r in protein and vitamins to help compensate for their reductionin food intake		
				Fisheries	
up3i-ju CAR		Stock fiStrength	 Stock fish fingerling @8000/ha 		

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Peren District

Bulletin No:34/2018

Duneum 110:54/2010	
Weather summary of the preceding week	Weather forecast valid upto 2 nd May 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 28° C - 29° C and the min temp 14° C to 15° 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 30% to 87%.	• Relative Humidity is likely to range from 41% to 94%.
Wind speed ranged from 3 to 4 kmph	• Wind speed may reach upto 3-4 kmph
	Wind direction will be mostly southeasterly

Field crops

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

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Paddy	Storage		 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	vegetative 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 resistan 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

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

Khasi Mandarin		Leaf miner, aphids, mites, trunk borer	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake t trees to collect adult trunk borer	
Cucurbits	Germination stage		For cucurbits, after germination if there is attack of red pumpkin beet control 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		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) Bios containing Pseudomonas aeruginosa, Trichoderma harzianum and Bacill brevis for 1 hr.	
Water	stagnation should b	a avoidad in liv	Livestock	
• Water : Poultry	 stagnation should be avoided in livestock shed to avoid mosquito breeding Double the watering space in poultry houses during summer. Provide plenty of fresh, clean and or drinking water during hot weather In order to encourage feed intake during summer, reduce the energy content of the feed by 10% Birds must be vaccinated against infectious diseases 			
			wet litter immediately from the poultry house to stop excess heat production	
 <i>Piggery</i> Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress Offer feed that is higher in protein and vitamins to help compensate for their reductionin food pigs tend to eat less feed during summer 				
Fisheries				
 Lime pond as per recommended dose @10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth 				

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Phek District

Bulletin No:34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 2018
 Light rain occurred the past week Maximum and minimum temperatures ranged 22°C to 26°C and 13°C to 16°C, respectively. Relative humidity varied from 28% to 85%. Wind speed ranged from 3 to 4 kmph 	 Probability of light rain the coming week. Max temp is likely to be 29°C - 30°C and the min temp 14°C to 15°C Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 40% to 88%. Wind speed may reach upto 2-4 kmph Wind direction will be southeasterly

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

	Field crops				
Main	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	vegetative 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

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

ir	the soil is sufficient				
Khasi Mandari	n	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		
Cucurbit	s 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.		
• W	vater stagnation should	be avoided in l	<i>Livestock</i> ivestock shed to avoid mosquito breeding		
Poultry• Double the watering space in poultry houses during summer. Provide plenty of fresh water during hot weather • In order to encourage feed intake during summer, reduce the energy content of the fe • Birds must be vaccinated against infectious diseases • Remove caked up and wet litter immediately from the poultry house to stop excess h • Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat			ed intake during summer, reduce the energy content of the feed by 10% I against infectious diseases		
			in protein and vitamins to help compensate for their reductionin food intake as pigs		
	Fisheries				
	 Lime pond as per recommended dose @10kg/bigha Stock fish fingerling @8000/ha Strengthen embankment to avoid erosion due to heavy rainfall If possible, stock bigger size fish seed to ensure faster growth 				

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 **Tuensang District**

Rulletin No•34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 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 26° C - 27° C and the min temp 13° C to 14° C			
22° C to 23° C and 10° C to 14° 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 33% to 95%.			
• Wind speed ranged from 3 to 4 kmph	Wind speed may reach upto 3-4 kmph			
	• Wind direction will be southeasterly			
• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too				

Field crops Main Pest/ **Agro-meteorological Advisories** Stage Diseases Crops **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 vegetative 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. Summer rain is erratic. Dig more number of jalkund or pond to store water Water right now. Harvested rainwater can give you off season vegetable and a harvesting 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 ٠ 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	L	eaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the
Mandarin		aphids,	trees to collect adult trunk borer

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

			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.		
	• Water	stagnation should be	avoided in live	<i>Livestock</i> estock shed to avoid mosquito breeding		
	Poultry	Double the drinking wa	watering space ter during hot v	e in poultry houses during summer. Provide plenty of fresh, clean and cool weather		
			-	intake during summer, reduce the energy content of the feed by 10% gainst infectious diseases		
		Remove cak	ed up and wet	litter immediately from the poultry house to stop excess heat production		
	Piggery	• Ensure that	pigs have acces	ss to an abundant fresh, cool drinking water to avoid heat stress		
			hat is higher in eat less feed du	protein and vitamins to help compensate for their reductionin food intake as aring summer		
		Fisheries				
	Lime pond as per recommended dose @10kg/bigha					
XILOO IX		-	ngerling @800			
			0 0	avoid erosion due to heavy rainfall		
भाक्नुअनुप	 If possible, stock bigger size fish seed to ensure faster growth 					
ICAR						

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Wokha District

Bulletin No·34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 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 28° C - 29° C and the min temp 14° C to 15° C			
26° C to 27° C and 13° C to 16° C, respectively.	Sky is likely to be mainly cloudy the coming week			
• Relative humidity varied from 32% to 85%.	• Relative Humidity is likely to range from 30% to 91%.			
• Wind speed ranged from 4 to 5 kmph	• Wind speed may reach upto 4- 5 kmph			
	Wind direction will be southeasterly			
• Timely weeding and earthing up should be carried out as there is probability of light rain the coming week too				

Field crops

carried out as there is probability of light rain the coming

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	vegetative 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 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

As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture

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

Khasi		Leaf miner,	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake			
Mandarin		aphids, mites, trunk borer	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 & 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 / turmeric	Sowing	-	Before sowing, treat ginger rhizome in 5% (5 kg in 100 litre of water Biozin containing Pseudomonas aeruginosa, Trichoderma harzianu and Bacillus brevis for 1 hr.			
Livestock						
TTT						
			ock shed to avoid mosquito breeding			
• Water Poultry	• Double the w	atering space i	ock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh, clean and co			
	Double the w drinking wate	atering space i r during hot we	ock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh, clean and co eather			
	 Double the w drinking wate In order to en 	atering space i r during hot we courage feed ir	ock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh, clean and co eather ntake during summer, reduce the energy content of the feed by 10%			
	 Double the w drinking wate In order to en Birds must be 	atering space i r during hot we courage feed ir vaccinated ag	ock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh , clean and co eather ntake during summer, reduce the energy content of the feed by 10% ainst infectious diseases			
	 Double the w drinking wate In order to en Birds must be Remove cake 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li	ock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh, clean and co eather ntake during summer, reduce the energy content of the feed by 10%			
Poultry	 Double the w drinking wate In order to en Birds must be Remove cakes Ensure that pi 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li gs have access	bock shed to avoid mosquito breeding In poultry houses during summer. Provide plenty of fresh , clean and content of the reader of the feed by 10% ainst infectious diseases tter immediately from the poultry house to stop excess heat production to an abundant fresh, cool drinking water to avoid heat stress			
Poultry	 Double the w drinking wate In order to en Birds must be Remove cake Ensure that pi Offer feed that 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li gs have access	bock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh , clean and co eather intake during summer, reduce the energy content of the feed by 10% ainst infectious diseases tter immediately from the poultry house to stop excess heat production to an abundant fresh, cool drinking water to avoid heat stress protein and vitamins to help compensate for their reductionin food intake			
Poultry	 Double the w drinking wate In order to en Birds must be Remove cake Ensure that pi Offer feed that 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li gs have access tt is higher in p	bock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh , clean and co eather intake during summer, reduce the energy content of the feed by 10% ainst infectious diseases tter immediately from the poultry house to stop excess heat production to an abundant fresh, cool drinking water to avoid heat stress protein and vitamins to help compensate for their reductionin food intake			
Poultry	 Double the w drinking wate In order to en Birds must be Remove cake Ensure that pi Offer feed tha pigs tend to ea 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li gs have access at is higher in p at less feed dur	bek shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh , clean and co eather ntake during summer, reduce the energy content of the feed by 10% ainst infectious diseases tter immediately from the poultry house to stop excess heat production to an abundant fresh, cool drinking water to avoid heat stress protein and vitamins to help compensate for their reductionin food intake ing summer			
Poultry	 Double the w drinking wate In order to en Birds must be Remove cake Ensure that pi Offer feed that pigs tend to ea Lime pond as 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li gs have access at is higher in p at less feed dur	bock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh , clean and co eather intake during summer, reduce the energy content of the feed by 10% ainst infectious diseases tter immediately from the poultry house to stop excess heat production to an abundant fresh, cool drinking water to avoid heat stress protein and vitamins to help compensate for their reductionin food intake ing summer Fisheries aded dose @10kg/bigha			
Poultry	 Double the w drinking wate In order to en Birds must be Remove cake Ensure that pi Offer feed that pigs tend to ea Lime pond as Stock fish fing 	atering space i r during hot we courage feed ir vaccinated ag d up and wet li gs have access at is higher in p at less feed dur per recommen gerling @8000	bock shed to avoid mosquito breeding in poultry houses during summer. Provide plenty of fresh , clean and con- eather intake during summer, reduce the energy content of the feed by 10% ainst infectious diseases tter immediately from the poultry house to stop excess heat production to an abundant fresh, cool drinking water to avoid heat stress protein and vitamins to help compensate for their reductionin food intake ing summer Fisheries aded dose @10kg/bigha			

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Integrated Agromet Advisory Service Bulletin from 28th April to 2nd May'18 Zunheboto District

Bulletin No:34/2018

Weather summary of the preceding week	Weather forecast valid upto 2 nd May 2018			
 Light rain occurred the past week Maximum and minimum temperatures ranged 22°C to 25°C and 12°C to 14°C, respectively. Relative humidity varied from 31% to 84%. Wind speed ranged from 4 to 5 kmph 	 Probability of light rain the coming week. Max temp is likely to be 28°C - 29°C and the min temp 14°C to 15°C Sky is likely to be mainly cloudy the coming week Relative Humidity is likely to range from 35% to 95%. Wind speed may reach upto 4-5 kmph Wind direction will be southeasterly 			
• Timely wooding and earthing up should be carried out as there is probability of light rain the coming weak too				

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

Field crops				
Main CropsStage DiseasesPest/ DiseasesAgro-meteorological Advisories		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		<i>Early sowing of maize in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.</i>	
Water Summer rain is erratic. Dig more number of jalkund or pond to sto		Summer rain is erratic. Dig more number of jalkund or pond to store water		
harvesting			right now. Harvested rainwater can give you off season vegetable and a good price	

Horticultural crop

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

ICAR RESEARCH COMPLEX FOR NEH REGION (Indian Council of Agricultural Research) NAGALAND CENTER, JHARNAPANI. MEDZIPHEMA • As rainfall is forecasted, sowing of vegetables should be done as germination percentage is good when the moisture content in the soil is sufficient

		1			
Khasi Mandarin		Leaf miner, aphids, mites, trunk	Spray neem oil @5ml/litre water against leaf miner, aphids, mites. Shake the trees to collect adult trunk borer		
		borer			
Cucurbits	urbits 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.		
Poultry	• Double the watering space in poultry houses during summer. Provide plenty of fresh, clean and cool				
	drinking water during hot weather				
	• In order to encourage feed intake during summer, reduce the energy content of the feed by 10%				
	Birds must be vaccinated against infectious diseases				
	• Remove caked up and wet litter immediately from the poultry house to stop excess heat production				
Piggery	• Ensure that pigs have access to an abundant fresh, cool drinking water to avoid heat stress				
	• Offer feed that is higher in protein and vitamins to help compensate for their reductionin food intake as pigs tend to eat less feed during summer				
	pigo tona te	<i>y</i> cut 1055 1000 u	Fisheries		
	Lime pond	as per recomme	ended dose @10kg/bigha		
	Stock fish f	fingerling @800)0/ha		
	• Strengthen	embankment to	avoid erosion due to heavy rainfall		
	• If possible,	stock bigger size	ze fish seed to ensure faster growth		

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