

Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Mokokchung District

Bulletin No:75/2018

Harvesting stage

Fruiting to

harvesting stage

Fruiting and

Spotted

bollworm

Shoot and

Cucurbits

Okra

Brinjal

Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 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 ^o C - 30 ^o C and the min temp 21 ^o C to 22 ^o C
29°C to 30°C and 20°C to 22°C, respectively.	Sky is likely to be partly cloudy the coming week
Relative humidity varied from 59% to 94%.	■ Relative Humidity is likely to range from 55% to 85%.
■ Wind speed ranged from 2 to 4 kmph	■ Wind speed may reach upto 3-5 kmph
	Wind direction will be mostly southeasterly

Fie	<u>ld c</u>	ro	ps

	Tiem crops			
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories	
Jhum Paddy	Harvesting stage		Harvesting is to be done in optimum time, otherwise, there will be loss of grain shedding, scattering, lodging and also damaged by birds, over maturity and lodging	
TRC/WRC paddy	Milk development stage	Gundhi bug	Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.	
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out	
• Proper	 Horticultural crop Proper weeding, earthing up should be done and staking should be done for good production. 			
Citrus		Trunk borer	To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with	

Avoid injuries during harvesting and handling.

Harvesting should be done timely

Remove regularly the attacked fruits and bury deep in the soil.

Damage is done by caterpillars by affecting the shoots and fruits which are

	harvesting stage	fruit borer	rendered unfit for consumption.		
			Dropping and wilting shoots indicate the presence of caterpillars in the nodes		
			of the stem and large holes in the fruits indicate exit holes of the caterpillars,		
			Destroy affected fruits and dropping shoots, by burning and burying, and		
			clean culture to destroy the pupae.		
Ginger /	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the		
turmeric			affected plants become yellow, water soaked appearance found at the base of		
			pseudo stem and rotting take place at the basal portion. The affected rhizomes		
			become soft, pulpy and plant easily collapse on pressing.		
			Livestock		
	Water st	agnation should	be avoided in livestock shed to avoid mosquito breeding.		
		Daily provid	e clean and cool drinking water to the animals		
Poultry	Ranikhet disease: A	n acute viral dis	ease of poultry which is characterized by involvement of respiratory system, drop		
	in egg production, diarrhoea and mortality as high as 100% in severe cases.				
	Regular disinfection of farm premises and equipment with potassium permanganate (1: 1000), sodium hydroxide				
	(2%) or Lysol (1: 5	,000) are useful	in preventing this disease. Disease can be prevented effectively by an integrated		
		·			
Piggery		approach of vaccination, proper management and strict biosecurity. Give special attention to pregnant sows one week before farrowing by providing adequate space, feed, water etc. The			
riggery	-	1 0			
	sows as well as farrowing pens should be disinfected 3-4 days before the expected date of farrowing and the sov should be placed in the farrowing pen after bedding it properly.				
	should be placed in	the farrowing pe	Fisheries		
			111 111 1111		
		-	auddy water influx from the surrounding areas, the ponds may result in reduction		
		of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the			
	fishes from suffocation				



Sl.no	Name	Designation	Department	
1	Dr.D.J. Rajkhowa	Principle Scientist	Agronomy	djrajkhowa@gmail.com
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Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 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 ^o C - 30 ^o C and the min temp 21 ^o C to 22 ^o C
27°C to 32°C and 20°C to 24°C, respectively.	Sky is likely to be partly cloudy the coming week
■ Relative humidity varied from 65% to 90%	■ Relative Humidity is likely to range from 56% to 90%.
■ Wind speed ranged from 2 to 3 kmph	■ Wind speed may reach upto 4- 6 kmph
	Wind direction will be mostly southeasterly

Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum Paddy	Harvesting stage	Stored grain rice weevil	Keeping neem leave and branches over the stored rice help in controlling the pest
TRC/WRC paddy	Milk development stage	Gundhi bug	Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out

Horticultural crop

Proper weeding, earthing up should be done and staking should be done for good production.

Citrus		Trunk borer	To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.
Okra	Fruiting to harvesting stage	Spotted bollworm	 Remove regularly the attacked fruits and bury deep in the soil. Harvesting should be done timely
Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.
Ginger / turmeric	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the affected plants become yellow, water soaked appearance found at the base of pseudo stem and rotting take place at the basal portion. The affected rhizomes become soft, pulpy and plant easily collapse on pressing.

Livestock

Flood affected areas generally experience out-break of human and animal diseases. Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals

Poultry Ranikhet disease: An acute viral disease of poultry which is characterized by involvement of respiratory system, drop in egg production, diarrhoea and mortality as high as 100% in severe cases. Regular disinfection of farm premises and equipment with potassium permanganate (1: 1000), sodium hydroxide (2%) or Lysol (1: 5,000) are useful in preventing this disease. Disease can be prevented effectively by an integrated approach of vaccination, proper management and strict biosecurity. Piggery Give special attention to pregnant sows one week before farrowing by providing adequate space, feed, water etc. The sows as well as farrowing pens should be disinfected 3-4 days before the expected date of farrowing and the sows should be

Fisheries

placed in the farrowing pen after bedding it properly.



• Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation

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

Citrus



Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Peren District

Bulletin No:75/2018

Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 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 ^o C - 30 ^o C and the min temp 21 ^o C to 22 ^o C
30°C to 32°C and 23°C to 24°C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 62% to 94%.	■ Relative Humidity is likely to range from 46% to 93%.
■ Wind speed ranged from 5 to 6 kmph	■ Wind speed may reach upto 1-2 kmph
	Wind direction will be mostly southesterly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.

Field crops				
Main Crops	Stage	Pest/	Agro-meteorological Advisories	
		Diseases		
Jhum Paddy	Harvesting	Stored	Keeping neem leave and branches over the stored rice help in controlling the	
	stage	grain rice weevil	pest	
TRC/WRC paddy	Stem elongation stage	Leaf folder	To control the pest, mechanical methods, such as rope method (to dislodge the larvae) is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons at two corners of the field and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result.	
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out	
 Horticultural crop Proper weeding, earthing up should be done and staking should be done for good production. 				

To kill the trunk borer grubs, clean the bored holes of the infested trunk with

iron wire and insert a cotton swab soaked in petrol or kerosene and plug with

Trunk borer

mud.

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	Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.				
	Okra	Fruiting to	Spotted	Remove regularly the attacked fruits and bury deep in the soil.				
		harvesting	bollworm	Harvesting should be done timely				
		stage						
	Brinjal	Fruiting and	Shoot and	Damage is done by caterpillars by affecting the shoots and fruits which are				
		harvesting	fruit borer	rendered unfit for consumption.				
		stage		Dropping and wilting shoots indicate the presence of caterpillars in the nodes				
				of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and				
				clean culture to destroy the pupae.				
	Ginger /	Vegetative	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the				
	turmeric	stage		affected plants become yellow, water soaked appearance found at the base of				
				pseudo stem and rotting take place at the basal portion. The affected rhizomes				
				become soft, pulpy and plant easily collapse on pressing.				
	Livestock							
	Water stagnation should be avoided in livestock shed to avoid mosquito breeding.							
				clean and cool drinking water to the animals				
	Poultry			viral disease of poultry which is characterized by involvement of respiratory				
			001	n, diarrhoea and mortality as high as 100% in severe cases.				
				premises and equipment with potassium permanganate (1: 1000), sodium				
		· · · · · ·	•	,000) are useful in preventing this disease. Disease can be prevented effectively				
				accination, proper management and strict biosecurity.				
H	Piggery			nant sows one week before farrowing by providing adequate space, feed, water				
//\	etc. The sows as well as farrowing pens should be disinfected 3-4 days before the expected date of farrowing							
		and the sows should be placed in the farrowing pen after bedding it properly.						
ī				Fisheries				
			•	and muddy water influx from the surrounding areas, the ponds may result in				
				oxygen. Stir the water with a bamboo pole as it will help in increasing the				
	oxygen and protect the fishes from suffocation							



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Bulletin No:75/2018

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Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 2018
	Probability of light rain the coming week.
	■ Max temp is likely to be 27 ^o C - 28 ^o C and the min temp 19 ^o C to 20 ^o C
ranged 27° C to 30° C and 20° C to 24° C,	Sky is likely to be mainly cloudy the coming week
respectively.	■ Relative Humidity is likely to range from 60% to 95%.
■ Relative humidity varied from 52% to 95%.	■ Wind speed may reach upto 3-6 kmph
■ Wind speed ranged from 2 to 3 kmph	Wind direction will be mostly southeasterly

Field crons

	Trem crops							
Main	Stage	Pest/	Agro-meteorological Advisories					
Crops		Diseases						
Jhum Paddy	Harvesting	Stored grain	Keeping neem leave and branches over the stored rice help in controlling the pest					
	stage	rice weevil						
TRC/WRC	Milk	Gundhi bug	Feeding causes empty or small grains during the milking stage. At the soft present					
paddy	development stage		stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.					
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out					

Horticultural crop

			Q 1		
	Okra	Fruiting to	Spotted	Remove regularly the attacked fruits and bury deep in the soil.	
		harvesting stage	bollworm	Harvesting should be done timely	
	Brinjal	Fruiting and	Shoot and	Damage is done by caterpillars by affecting the shoots and fruits which are	
		harvesting stage	fruit borer	rendered unfit for consumption.	
				Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the	
				stem and large holes in the fruits indicate exit holes of the caterpillars,	
				Destroy affected fruits and dropping shoots, by burning and burying, and	
				clean culture to destroy the pupae.	
	Ginger /	Vegetative	Rhizome rot		
	turmeric	stage		affected plants become yellow, water soaked appearance found at the base of	
				pseudo stem and rotting take place at the basal portion. The affected rhizomes	
				become soft, pulpy and plant easily collapse on pressing.	
				Livestock	
		Water	stagnation show	ald be avoided in livestock shed to avoid mosquito breeding.	
			Daily prov	vide clean and cool drinking water to the animals	
	Poultry	Ranikhet disease: An acute viral disease of poultry which is characterized by involvement of respiratory system, drop			
		in egg production, diarrhoea and mortality as high as 100% in severe cases.			
		Regular disinfecti	on of farm pre	mises and equipment with potassium permanganate (1: 1000), sodium hydroxide (2%)	
		or Lysol (1: 5,00	00) are useful	in preventing this disease. Disease can be prevented effectively by an integrated	
		approach of vacci	nation, proper	management and strict biosecurity.	
	Piggery			nt sows one week before farrowing by providing adequate space, feed, water etc. The	
	riggery			should be disinfected 3-4 days before the expected date of farrowing and the sows	
		should be placed in the farrowing pen after bedding it properly. Fisheries			
1111					
Whate	Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in redu				
	dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen are fishes from suffocation				
		Tisnes from	n suffocation		
ICAR					

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Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Tuensang District

Dulleuli No. 73/2	7010	
Weather summa	ry of the preceding week	Weather forecast valid upto 23 rd Sept' 2018
■ Moderate rain occ	±	■ Probability of moderate rain the coming week.
■ Maximum and mi	nimum temperatures ranged	■ Max temp is likely to be 25° C - 26° C and the min temp 17° C to 19° C
25° C to 28° C and	16^{0} C to 19^{0} C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity	varied from 64% to 92%.	■ Relative Humidity is likely to range from 48% to 95%.
 Wind speed range 	ed from 2 to 3 kmph	■ Wind speed may reach upto 2-5 kmph
		■ Wind direction will be mostly southeasterly

	Field crops						
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories				
Jhum Paddy	Harvesting stage	Stored grain rice weevil	Keeping neem leave and branches over the stored rice help in controlling the pest				
TRC/WRC paddy	Milk development stage	Gundhi bug	Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.				
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out				
• Proper	· weeding earthing 1	in should he do	Horticultural crop one and staking should be done for good production.				

 Proper 	 Proper weeding, earthing up should be done and staking should be done for good production. 					
Citrus		Trunk borer To kill the trunk borer grubs, clean the bored holes of the infested trunk				
			iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.			
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.			
Okra	Fruiting to harvesting stage	Spotted bollworm	 Remove regularly the attacked fruits and bury deep in the soil. Harvesting should be done timely 			

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	Brinjal	Fruiting and	Shoot and	Damage is done by caterpillars by affecting the shoots and fruits which are		
		harvesting stage	fruit borer	rendered unfit for consumption.		
				Dropping and wilting shoots indicate the presence of caterpillars in the		
				nodes of the stem and large holes in the fruits indicate exit holes of the		
				caterpillars,		
				Destroy affected fruits and dropping shoots, by burning and burying, and		
				clean culture to destroy the pupae.		
	Ginger /	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of		
	turmeric			the affected plants become yellow, water soaked appearance found at the		
				base of pseudo stem and rotting take place at the basal portion. The affected		
				rhizomes become soft, pulpy and plant easily collapse on pressing.		
				Livestock		
				e avoided in livestock shed to avoid mosquito breeding.		
			Daily provide of	clean and cool drinking water to the animals		
	Poultry			isease of poultry which is characterized by involvement of respiratory system,		
				and mortality as high as 100% in severe cases.		
		Regular disinfection	on of farm pr	remises and equipment with potassium permanganate (1: 1000), sodium		
		hydroxide (2%) or 1	Lysol (1: 5,000) are useful in preventing this disease. Disease can be prevented effectively by		
		an integrated appro	ach of vaccinat	ion, proper management and strict biosecurity.		
	Piggery	Give special attenti	on to pregnant	sows one week before farrowing by providing adequate space, feed, water etc.		
		The sows as well as	s farrowing pen	as should be disinfected 3-4 days before the expected date of farrowing and the		
		sows should be place	ced in the farro	wing pen after bedding it properly.		
	Fisheries					
		Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in				
XILOUIX		reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen				
		and protect the fishes from suffocation				
NAME OF THE OWNER, OWNE						
ICAR						

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Citrus

Cucurbits



Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Wokha District

Bulletin No:75/2018

Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 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 21° C to 22° C
29 ^o C to 31 ^o C and 20 ^o C to 22 ^o C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 55% to 91%.	■ Relative Humidity is likely to range from 59% to 93%.
■ Wind speed ranged from 2 to 4 kmph	■ Wind speed may reach upto 4- 5 kmph
	Wind direction will be easterly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.

I www crops	F	<i>ield</i>	cro	ps
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Main	Stage	Pest/	Agro-meteorological Advisories
Crops		Diseases	
Jhum Paddy	Harvesting stage	Stored grain rice weevil	Keeping neem leave and branches over the stored rice help in controlling the pest
TRC/WRC paddy	Stem elongation stage	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar spots with yellow halo. Severely affected field presents a reddish appearance.
Soybean	Flowering stage	-	Proper drainage should be maintained and timely earthing up should be carried out
 Horticultural crop Proper weeding, earthing up should be done and staking should be done for good production. 			

plug with mud.

Trunk borer

Harvesting stage

To kill the trunk borer grubs, clean the bored holes of the infested trunk

with iron wire and insert a cotton swab soaked in petrol or kerosene and

Avoid injuries during harvesting and handling.

			1			
	Okra	Fruiting to harvesting stage	Spotted bollworm	 Remove regularly the attacked fruits and bury deep in the soil. Harvesting should be done timely 		
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.		
	Ginger / turmeric	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the affected plants become yellow, water soaked appearance found at the base of pseudo stem and rotting take place at the basal portion. The affected rhizomes become soft, pulpy and plant easily collapse on pressing.		
	Livestock					
		Water stagna	tion should be a	avoided in livestock shed to avoid mosquito breeding.		
	Daily provide clean and cool drinking water to the animals					
	Poultry Ranikhet disease: An acute viral disease of poultry which is characterized by involvement of r system, drop in egg production, diarrhoea and mortality as high as 100% in severe cases. Regular disinfection of farm premises and equipment with potassium permanganate (1: 1000) hydroxide (2%) or Lysol (1: 5,000) are useful in preventing this disease. Disease can be prevented by an integrated approach of vaccination, proper management and strict biosecurity.			disease of poultry which is characterized by involvement of respiratory rhoea and mortality as high as 100% in severe cases. nises and equipment with potassium permanganate (1: 1000), sodium are useful in preventing this disease. Disease can be prevented effectively		
	Piggery Give special attention to pregnant sows one week before farrowing by providing adequate space, feed, water etc. The sows as well as farrowing pens should be disinfected 3-4 days before the expected date of farrowing and the sows should be placed in the farrowing pen after bedding it properly.					
	Fisheries					
наранц ІСАК		reduction of	dissolved oxyg	nuddy water influx from the surrounding areas, the ponds may result in gen. Stir the water with a bamboo pole as it will help in increasing the s from suffocation		

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Citrus

Cucurbits

Harvesting stage



Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Zunheboto District

Bulletin No:75/2018

Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 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 ^o C - 30 ^o C and the min temp 21 ^o C to 22 ^o C
27^{0} C to 29^{0} C and 20^{0} C to 22^{0} C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 67% to 92%.	■ Relative Humidity is likely to range from 50% to 95%.
Wind speed ranged from 2 to 3 kmph	■ Wind speed may reach upto 4- 6 kmph
	Wind direction will be southeasterly

	Field crops					
Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories			
Jhum Paddy	Harvesting stage	Stored grain rice weevil	Keeping neem leave and branches over the stored rice help in controlling the pest			
TRC/WRC paddy	Milk development stage	Gundhi bug	Feeding causes empty or small grains during the milking stage. At the soft present stage, feeding will cause deformed or spotty grains. Do proper surveillance of the field.			
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out			
Horticultural crop						

Avoid injuries during harvesting and handling.

To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with

Proper weeding, earthing up should be done and staking should be done for good production.

mud.

Trunk borer

	Okra	Fruiting to	Spotted	Remove regularly the attacked fruits and bury deep in the soil.	
		harvesting stage	bollworm	Harvesting should be done timely	
	Brinjal	Fruiting and	Shoot and	Damage is done by caterpillars by affecting the shoots and fruits which are	
		harvesting stage	fruit borer	rendered unfit for consumption.	
				Dropping and wilting shoots indicate the presence of caterpillars in the nodes	
				of the stem and large holes in the fruits indicate exit holes of the caterpillars,	
				Destroy affected fruits and dropping shoots, by burning and burying, and	
				clean culture to destroy the pupae.	
	Ginger /	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the	
	turmeric			affected plants become yellow, water soaked appearance found at the base of	
				pseudo stem and rotting take place at the basal portion. The affected	
				rhizomes become soft, pulpy and plant easily collapse on pressing.	
				Livestock	
		Water stag		be avoided in livestock shed to avoid mosquito breeding	
				clean and cool drinking water to the animals	
	Poultry	Ranikhet disease: An acute viral disease of poultry which is characterized by involvement of respiratory system,			
		drop in egg production, diarrhoea and mortality as high as 100% in severe cases.			
		Regular disinfection of farm premises and equipment with potassium permanganate (1: 1000), sodium hydroxide			
		(2%) or Lysol (1: 5,000) are useful in preventing this disease. Disease can be prevented effectively by an			
		integrated approac	h of vaccination	n, proper management and strict biosecurity.	
	Piggery	Give special attent	ion to pregnant	sows one week before farrowing by providing adequate space, feed, water etc.	
		The sows as well a	as farrowing per	as should be disinfected 3-4 days before the expected date of farrowing and the	
		sows should be pla	ced in the farro	wing pen after bedding it properly.	
	Fisheries				
\\\\		Due to hear	avv rainfall and	d muddy water influx from the surrounding areas, the ponds may result in	
XIII		reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen			
			the fishes from		
ыфзілу ІСАВ					
ICAR					

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 19th to 23rd Sept'18 Dimapur District

Bulletin No:75/2018

Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 2018
Light rain occurred the past week	■ Probability of moderate rain the coming week.
• Maximum and minimum temperatures ranged	■ Max temp is likely to be 35°C - 38°C and the min temp 24°C to 25°C
31°C to 34°C and 23°C to 25°C, respectively.	• Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 64% to 96%.	■ Relative Humidity is likely to range from 53% to 93%.
■ Wind speed ranged from 2 to 3 kmph	■ Wind speed may reach upto 3- 6 kmph
	Wind direction will be mostly southeasterly
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Main Crops	Stage	Pest/	Agro-meteorological Advisories
		Diseases	
Jhum Paddy	Harvesting stage	Stored grain	Keeping neem leave and branches over the stored rice help in controlling the
		rice weevil	pest
TRC/WRC	Stem elongation	Blast	For rice blast management, destroy the infested residue, stubbles, grass and
paddy	stage		weeds present in the bunds of the field as they act as a source for the infection.
			Avoid excess use of nitrogen fertilizer
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried
			out

Horticultural crop

 Proper weeding, earthing up should be done and staking should be done for good production

AGA	Citrus		Trunk borer	To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
4	Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.
	Okra	Fruiting to harvesting stage	Spotted bollworm	 Remove regularly the attacked fruits and bury deep in the soil. Harvesting should be done timely
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars,

				Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.			
	Ginger / turmeric	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the affected plants become yellow, water soaked appearance found at the base of pseudo stem and rotting take place at the basal portion. The affected rhizomes become soft, pulpy and plant easily collapse on pressing.			
				Livestock			
		Water sta	_	d be avoided in livestock shed to avoid mosquito breeding.			
				de clean and cool drinking water to the animals			
	Poultry	drop in egg prod	Ranikhet disease: An acute viral disease of poultry which is characterized by involvement of respiratory system, drop in egg production, diarrhoea and mortality as high as 100% in severe cases. Regular disinfection of farm premises and equipment with potassium permanganate (1: 1000), sodium hydroxide				
		The state of the s		e useful in preventing this disease. Disease can be prevented effectively by an ation, proper management and strict biosecurity.			
	Piggery	The sows as well	Give special attention to pregnant sows one week before farrowing by providing adequate space, feed, water etc. The sows as well as farrowing pens should be disinfected 3-4 days before the expected date of farrowing and the sows should be placed in the farrowing pen after bedding it properly.				
		Fisheries					
нфзиц ICAR		heavy rain can fertilizers, petrol	transport a eum products	on a pond's watershed can enter the pond and cause fish kills. Runoff following a variety of unwanted chemicals into the pond including pesticides, herbicides, s. elihood of chemical runoff is high and avoid using chemicals on the watershed.			

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Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Kiphire District

Bulletin No:75/2018

Builetin 110.75/2010	
Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 2018
■ Moderate rain occurred the past week	■ Probability of moderate rain the coming week.
■ Maximum and minimum temperatures ranged	■ Max temp is likely to be 29 ^o C to 30 ^o C and the min temp 21 ^o C to 22 ^o C
30°C to 31°C and 21°C to 23°C, respectively.	Sky is likely to be mainly cloudy the coming week
■ Relative humidity varied from 68% to 94%.	■ Relative Humidity is likely to range from 48% to 95%.
■ Wind speed ranged from 1 to 2 kmph	■ Wind speed may reach upto 2-4 kmph
	Wind direction will be mostly southeasterly

In-situ rain water conservation through mulching and ex-situ moisture conservation through low cost water harvesting structure like Jalkund should be carried out.

Field crops

Main Crops	Stage	Pest/ Diseases	Agro-meteorological Advisories
Jhum Paddy	Harvesting stage	Stored grain rice weevil	Keeping neem leave and branches over the stored rice help in controlling the pest
TRC/WRC paddy	Stem elongation stage	Leaf folder	To control the pest, mechanical methods, such as rope method (to dislodge the larvae) is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons at two corners of the field and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result.
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out
• Proper we	eeding, earthing up s	hould be done (Horticultural crop and staking should be done for good production.
Citrus	seems, carming up s	Trunk borer	To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.

	Okra	Fruiting to	Spotted	Remove regularly the attacked fruits and bury deep in the soil.		
		harvesting stage	bollworm	Harvesting should be done timely		
	Brinjal	Fruiting and	Shoot and	Damage is done by caterpillars by affecting the shoots and fruits which are		
		harvesting stage	fruit borer	rendered unfit for consumption.		
				Dropping and wilting shoots indicate the presence of caterpillars in the nodes of		
				the stem and large holes in the fruits indicate exit holes of the caterpillars,		
				Destroy affected fruits and dropping shoots, by burning and burying, and		
				clean culture to destroy the pupae.		
	Ginger /	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the		
	turmeric			affected plants become yellow, water soaked appearance found at the base of		
				pseudo stem and rotting take place at the basal portion. The affected rhizomes		
				become soft, pulpy and plant easily collapse on pressing.		
				Livestock		
		Water sta		be avoided in livestock shed to avoid mosquito breeding.		
				e clean and cool drinking water to the animals		
	Poultry			disease of poultry which is characterized by involvement of respiratory system,		
				and mortality as high as 100% in severe cases.		
		Regular disinfection	n of farm pren	nises and equipment with potassium permanganate (1: 1000), sodium hydroxide		
		(2%) or Lysol (1: 5	5,000) are usefu	al in preventing this disease. Disease can be prevented effectively by an integrated		
		approach of vaccin	ation, proper m	anagement and strict biosecurity.		
	Piggery			t sows one week before farrowing by providing adequate space, feed, water etc.		
			0 1	ens should be disinfected 3-4 days before the expected date of farrowing and the		
		sows should be place	ced in the farro	wing pen after bedding it properly.		
		Fisheries				
		Due to heave	y rainfall and i	muddy water influx from the surrounding areas, the ponds may result in reduction		
	of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and pr					
		the fishes fr	om suffocation			
ICAR						

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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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Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Kohima District

Bulletin No:75/2018							
Weather summary of the preceding week			Weather forecast valid upto 23 rd Sept' 2018				
■ Moderate rain o	ccurred the past we	ek	■ Probability of moderate rain the coming week.				
	minimum temperat		■ Max temp is likely to be 27°C - 28°C and the min temp 19°C to 20°C				
⁰ C to 28 ⁰ C and	19^{0} C to 21^{0} C, respe	ctively.	■ Sky is likely to be mainly cloudy the coming week				
■ Relative humidi	ty varied from 58%	to 97%.	■ Relative Humidity is likely to range from 52% to 94%.				
■ Wind speed rang	ged from 2 to 3 km	ph	■ Wind speed may reach upto 4-7 kmph				
			Wind direction will be mostly southeasterly				
In-situ rain water	conservation throu	gh mulching an	d ex-situ moisture conservation through low cost water harvesting structure				
like Jalkund shou	like Jalkund should be carried out.						
Field crops							
Main Crops	Stage	Pest/	Agro-meteorological Advisories				
•		Diseases					

	Fiela crops						
Main Crops	Stage	Pest/	Agro-meteorological Advisories				
		Diseases					
Jhum Paddy	Harvesting stage	Stored grain	Keeping neem leave and branches over the stored rice help in controlling				
		rice weevil	the pest				
		_					
TRC/WRC	Stem elongation	Brown spot	Monitor the field against brown spot, leaves show oval shaped foliar				
paddy	stage		spots with yellow halo. Severely affected field presents a reddish				
			appearance.				
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be				
			carried out				

Horticultural crop

	\boldsymbol{I}					
• Proper v	 Proper weeding, earthing up should be done and staking should be done for good production. 					
Citrus		Trunk borer	To kill the trunk borer grubs, clean the bored holes of the infested trunk			
			with iron wire and insert a cotton swab soaked in petrol or kerosene and			
			plug with mud.			
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.			
Okra	Fruiting to	Spotted	Remove regularly the attacked fruits and bury deep in the soil.			
	harvesting stage	bollworm	J was a same of the property o			

				Harvesting should be done timely	
	Brinjal	Fruiting and harvesting stage	Shoot and fruit borer	Damage is done by caterpillars by affecting the shoots and fruits which are rendered unfit for consumption. Dropping and wilting shoots indicate the presence of caterpillars in the nodes of the stem and large holes in the fruits indicate exit holes of the caterpillars, Destroy affected fruits and dropping shoots, by burning and burying, and clean culture to destroy the pupae.	
	Ginger / turmeric	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of the affected plants become yellow, water soaked appearance found at the base of pseudo stem and rotting take place at the basal portion. The affected rhizomes become soft, pulpy and plant easily collapse on pressing.	
	Khasi New flush Mandarin			During the month of August, Bordeaux paste should be applied on the tree trunk (upto 60cm height from ground level).	
	Livestock Water stagnation should be avoided in livestock shed to avoid mosquito breeding. Daily provide clean and cool drinking water to the animals				
	Poultry	Ranikhet disease: An acute viral disease of poultry which is characterized by involvement of respiratory system, drop in egg production, diarrhoea and mortality as high as 100% in severe cases. Regular disinfection of farm premises and equipment with potassium permanganate (1: 1000), sodium hydroxide (2%) or Lysol (1: 5,000) are useful in preventing this disease. Disease can be prevented effectively by an integrated approach of vaccination, proper management and strict biosecurity.			
	Piggery				
	Fisheries				
ыдрэнди ІСА R		• Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result in reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen and protect the fishes from suffocation			

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Integrated Agromet Advisory Service Bulletin from 19th to 23rd Sept'18 Longleng District

Bulletin No:75/2018

Weather summary of the preceding week	Weather forecast valid upto 23 rd Sept' 2018	
Light rain occurred the past week	 Probability of light rain the coming week 	
■ Maximum and minimum temperatures ranged 29 ^o C	■ Max temp is likely to be 29° C - 30° C and the min temp 21° C to 22° C	
to 32 ^o C and 20 ^o C to 23 ^o C, respectively.	■ Sky is likely to be mainly cloudy the coming week	
Relative humidity varied from 65% to 92%.	■ Relative Humidity is likely to range from 50% to 95%.	
■ Wind speed ranged from 2 to 4 kmph	■ Wind speed may reach upto 2- 5 kmph	
	Wind direction will be mostly southeasterly	

	Field crops					
Main Stage Pest/		- 12 22	Agro-meteorological Advisories			
Crops		Diseases				
Jhum Paddy	Harvesting stage	Stored grain rice weevil	Keeping neem leave and branches over the stored rice help in controlling the pest			
TRC/WRC paddy	Stem elongation stage	Leaf folder	To control the pest, mechanical methods, such as rope method (to dislodge the larvae) is advised. In this method, water is allowed to stand in the field up to 2 cm and a rope is hold by two persons at two corners of the field and it is moved in such a way that it swayed the standing paddy crop. The larvae which feed on the folded leafs fall in the water due to mechanical disturbances. After that bunds are opened at many places to drain out water. Insects are collected and destroyed. This process should be repeated two to three times to get desirable result.			
Soybean	Podding stage	-	Proper drainage should be maintained and timely earthing up should be carried out			

Horticultural crop Proper weeding, earthing up should be done and staking should be done for good production.

Citrus		Trunk borer	To kill the trunk borer grubs, clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or kerosene and plug with mud.
Cucurbits	Harvesting stage	-	Avoid injuries during harvesting and handling.

	01	Emilia - 4-	C 44 1		
	Okra	Fruiting to	Spotted	Remove regularly the attacked fruits and bury deep in the soil.	
		harvesting stage	bollworm	Harvesting should be done timely	
	Brinjal	Fruiting and	Shoot and	Damage is done by caterpillars by affecting the shoots and fruits which	
		harvesting stage	fruit borer	are rendered unfit for consumption.	
				Dropping and wilting shoots indicate the presence of caterpillars in the	
				nodes of the stem and large holes in the fruits indicate exit holes of the	
				caterpillars,	
				Destroy affected fruits and dropping shoots, by burning and burying, and	
				clean culture to destroy the pupae.	
	Ginger /	Vegetative stage	Rhizome rot	Farmers are advised to monitor the ginger against rhizome rot. Leaves of	
	turmeric			the affected plants become yellow, water soaked appearance found at the	
				base of pseudo stem and rotting take place at the basal portion. The	
				affected rhizomes become soft, pulpy and plant easily collapse on	
	pressing.				
		Water steam	ation should be	Livestock	
	Water stagnation should be avoided in livestock shed to avoid mosquito breeding Daily provide clean and cool drinking water to the animals				
	Poultry			disease of poultry which is characterized by involvement of respiratory	
				arrhoea and mortality as high as 100% in severe cases.	
			•	mises and equipment with potassium permanganate (1: 1000), sodium	
		hydroxide (2%) or Lysol (1: 5,000) are useful in preventing this disease. Disease can be prevented effect by an integrated approach of vaccination, proper management and strict biosecurity.			
	Piggery	Give special attenti	on to pregnant	sows one week before farrowing by providing adequate space, feed, water	
		etc. The sows as well as farrowing pens should be disinfected 3-4 days before the expected date of farrowing			
		and the sows should be placed in the farrowing pen after bedding it properly.			
	Fisheries				
\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result :				
		reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the			
		oxygen and protect the fishes from suffocation			
71100-31-211					
ICAR					

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