

ICAR RESEARCH COMPLEX FOR NEH REGION

Nagaland Center, Medziphema-797106 Dimapur, Nagaland



Date: 16.08.19	District: Tuensang	Bulletin No: 65/2019
Weather of preceding week		Weather forecast valid upto 21.08.2019
■ Moderate rain occurred the past week		Probability of moderate to heavy rain
■ Max and min temperatures ranged 29°C to 31°C	C and 18° C to 19° C	■ Max temp is likely to be 28°C-30°C and min temp 19°C
respectively.		to 20 ⁰ C
■ Relative humidity varied from 83% to 95%.		• Sky is likely to be partly cloudy the coming week
 Wind speed ranged from 3 to 4kmph 		■ Relative Humidity is likely to range from 83% to 95%.
		Wind speed may reach upto 2-3 kmph
		■ Wind may blow from mostly westerly direction
		Weekly cumulative Rainfall: 85mm

	Weekly cumulative Rainfall: 85mm			
WEATHER FORECAST BASED AGROMET ADVISORIES				
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories	
Jhum paddy	Anthesis stage	Gundhi bug	It is a serious pest during the milky stage. Feeding	
			causes empty or small grains during the milking stage.	
			Weed sanitation and eradication of alternate hosts	
			from rice fields and surrounding areas can help	
			prevent the multiplication of the bug	
TRC/WRC	Tillering		Adequate land submergence of around 5cm should be	
paddy			done to prevent damage to establishing seedlings from	
			high winds and for root development.	
Cucurbitaceous vegetable	Vegetative stage		Daily scouting should be done for pest and disease	
Brinjal	Fruiting stage	Shoot & fruit	Pheromone traps @ 5/ acre should be installed for	
		borer	monitoring and mass trapping of shoot & fruit borer.	
			Replace the lures with fresh lures after every 15-20	
			day interval.	
King chilli	Flowering / fruiting	Fruit borer	For fruit borer, collect and destroy the damaged fruits	
	stage		and grown up caterpillars.	
Colocasia	Vegetative stage	Leaf blight	Present weather is favourable for the development of leaf	
		· ·	blight. The diseases can be controlled by using 2 – 3 spray	
			of Dithane M - 45 @ 2g/liter of water followed by	
			Ridomil @ 2 g/ liter of water after 15 days of first	
	application.			
Poultry	High humidity is favourable for occurrence of coccidiodial disease especially in poultry. Provide anti-			
D:	coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry			
Piggery	Monsoon weather could lead to gastrointestinal parasites infection. It is advised to maintain good sanitary conditions of pig sheds.			
Fishery			influx from the surrounding areas, the ponds may result in	
1 ISHCI y	-	•	er with a bamboo pole as it will help in increasing the oxygen	
	and protect the fishes fr			



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Telephone No: 03862-247241 (O) / Email: amfu.jharnapani@gov.in

Date: 16.08.19	District: Wokha		Bulletin No: 65/2019
Weather of preceding week		Weather fo	orecast valid upto 21.08.2019
■ Moderate rain occurred the past week		 Probability of mod 	
■ Max and min temperatures ranged 29°C to 30°C	$^{\circ}$ and 18° C to 20° C	Max temp is likel	ly to be $28^{\circ}\text{C}-30^{\circ}\text{C}$ and min temp 19°C
respectively.		to 20°C	
■ Relative humidity varied from 70% to 94%.		Sky is likely to be	mainly cloudy the coming week
Wind speed ranged from 4 to 6 kmph		 Relative Humidit 	y is likely to range from 60% to 90%.
		■ Wind speed may a	reach upto 4-5 kmph
		■ Wind may blow f	rom mostly southeasterly direction
		Weekly cumulative	Rainfall: 45mm

WEATHER FORECAST BASED AGROMET ADVISORIES Main crop **Growth Stage** Pest/Disease Weather based Agro-Advisories Trap adult bugs using a light trap, sweep net and dirty Jhum paddy Inflorescence stage Gundhi bug trap of cattle urine/dung and then destroy the traps by suitable means. Keep on hanging the cattle urine soaked gunny bag or cow dung wrapped cloth in the field, just at the height of the crop to attract the bugs. TRC/WRC Leaf folder Keep the bunds clean by trimming them and remove the Tillering stage grassy weeds. paddy Clipping of the affected leaves. Use of rope to dislodge the leaf feeding larvae of leaf Open up the leaf folds with the help of a thorny twig. Field scouting should be undertaken to keep a close Vegetative stage Soybean watch on the appearance of insect pest, disease. Brinjal Fruiting stage Stem borer Infested plant withers up and presents a stunted growth due to the feeding activities of the caterpillar on the tissue of the stem. Remove and destroy the affected parts of the plants and pruning should be done Start monitoring of shoot borer. Main symptom is the Ginger Vegetative stage Shoot borer presence of a borehole on the pseudostem through which frass is extruded and the withered and yellow central shoot. Flowering to Install pheromone traps with replacement of lures once in Chilli Fruit borer 15 days fruiting stage Timely weeding and earthing up should be done to prevent Colocasia soil based pupation. Provide vitamins along with their feed as vitamin deficiencies can cause birds to start **Poultry** feather picking which becomes a problem **Piggery** Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular deworming to all the pigs **Fishery** In those district where it is raining consistently, fish farmers need to be vigilant; check the pH of the pond regularly as rain cause depletion in pH, thereby causing mortality of the fish.



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Date: 16.08.19	District: Zunheboto		Bulletin No: 65/2019
Weather of preceding week		Weather fo	recast valid upto 21.08.2019
 Moderate rain occurred the past week 		 Probability of modera 	
■ Max and min temperatures ranged 29°C to 3	1^{0} C and 18^{0} C to 19^{0} C,	■ Max temp is likely t	to be 28^{0}C - 30^{0}C and min temp 19^{0}C to
respectively.		20^{0} C	
■ Relative humidity varied from 84% to 95%.		Sky is likely to be ma	ainly cloudy the coming week
Wind speed ranged from 2 to 3 kmph		■ Relative Humidity is	likely to range from 81% to 95%.
		Wind speed may reac	ch upto 2-3 kmph
		■ Wind may blow fron	n south easterly direction
		Weekly cumulative Rain	nfall:40mm

WEATHER FORECAST BASED AGROMET ADVISORIES Main crop **Growth Stage** Pest/Disease Weather based Agro-Advisories Jhum paddy Inflorescence Gundhi bug Trap adult bugs using a light trap, sweep net and dirty trap of cattle urine/dung and then destroy the traps by suitable stage means. Keep on hanging the cattle urine soaked gunny bag or cow dung wrapped cloth in the field, just at the height of the crop to attract the bugs. Leaf folder Keep the bunds clean by trimming them and remove the grassy TRC/WRC Tillering weeds. paddy stage Clipping of the affected leaves. Use of rope to dislodge the leaf feeding larvae of leaf folders. Open up the leaf folds with the help of a thorny twig. Vegetative Field scouting should be undertaken to keep a close watch Soybean on the appearance of insect pest, disease. stage Fruiting stage Stem borer Infested plant withers up and presents a stunted growth due **Brinjal** to the feeding activities of the caterpillar on the tissue of the stem. Remove and destroy the affected parts of the plants and pruning should be done Start monitoring of shoot borer. Main symptom is the presence of Vegetative Shoot borer Ginger stage a borehole on the pseudostem through which frass is extruded and the withered and yellow central shoot. Chilli Fruit borer Install pheromone traps with replacement of lures once in 15 Flowering to fruiting stage Timely weeding and earthing up should be done to prevent soil Colocasia based pupation. It is susceptible to water logging, therefor proper drainage should Vegetative Rice bean be maintained for healthy growth and devlopment stage Provide vitamins along with their feed as vitamin deficiencies can cause birds to start **Poultry** feather picking which becomes a problem **Piggery** Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs **Fishery** In those district where it is raining consistently, fish farmers need to be vigilant; check the pH of the pond regularly as rain cause depletion in pH, thereby causing mortality of the fish.



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Date: 16.08.19	District: Dimapur		Bulletin No: 65/2019
Weather of preceding week		Weather fo	orecast valid upto 21.08.2019
■ Light rain occurred the past week		 Probability of light 	
■ Max and min temperatures ranged 36°C to 37°C a	and 23° C to 26° C,	 Max temp is likely 	y to be 33°C - 36°C and min temp 24°C
respectively.		to 25°C	
■ Relative humidity varied from 53% to 95%.		Sky is likely to be	mainly clear the coming week
■ Wind speed ranged from 4 to 5 kmph		■ Relative Humidity	y is likely to range from 43% to 90%.
		■ Wind speed may r	each upto 2-4 kmph
		 Wind may blow fr 	rom southeasterly direction
		Weekly cumulative F	Rainfall: 3mm

WEATHER FORECAST BASED AGROMET ADVISORIES **Growth Stage** Pest/Disease Weather based Agro-Advisories Main crop TRC/WRC Right after transplanting, adequate land submergence of Tillering around 5cm is necessary to prevent damage to establishing paddy seedlings from high winds and for root development It is essential to keep weed free upto 60 after sowing Groundnut Vegetative stage (DAS), as the maximum damage is caused during this period and removal of these weeds by hand within upto 60 DAS results in the highest net returns. Seed should not be collected from virus affected plants, Naga king chilli Fruiting stage remove the affected plants and destroy Prevention is the first step in managing this disease since Cucurbitaceous Reproductive stage Phytophthora this disease is difficult to suppress once it gets started in blight vegetable Fungicides should be used preventively. the fields. Provide proper drainage in fields in order to prevent water logging following heavy rainfall Tobacco caterpillar starts from 25-30 days after sowing. Soybean Vegetative stage Tobacco Install pheromone traps. Survey the field thoroughly and caterpillar remove plant parts/ plants having gregarious stage of caterpillars Colocasia Monitoring should be done for leaf webber. The larvae Vegetative stage Leaf webber rolls the leaves and feeds on them. Collect the leaves and bury them in soil. Collect the adult which will be below the leaves and leaf bases Vegetative stage Bacterial wilt For bacterial wilt, once the disease is noticed in the field Ginger the affected clumps ,may be removed carefully without spilling the soil around and the affected area and surrounding areas drenched with copper oxychloride 0.2% Animals afflicted by FMD should be kept in a separate enclosure so that they do not infect the Cattle healthy ones. If FMD is prevalent in the area, do not let your animals come in contact with the infected ones **Poultry** Feed during early morning and late afternoon hours to prevent build up of heat. Feed balanced ration with adequate vitamins and minerals. In case of detection of roundworm in pig, separate the one youngs from infected pig, periodic **Piggery** deworming should be done Avoid excessive manuring and feeding which can lead to oxygen depletion in cloudy weather. **Fishery**



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Date: 16.08.19	District: Kiphire	Bulletin No: 65/2019
Weather of preceding week		Weather forecast valid upto 21.08.2019
■ Moderate rain occurred the past week		Probability of moderate to heavy rain
■ Max and min temperatures ranged 29°C to 30°C	$^{\circ}$ and 18° C to 20° C,	■ Max temp is likely to be 28°C-30°C and min temp 19°C to
respectively.		20^{0} C
■ Relative humidity varied from 67% to 94%.		• Sky is likely to be partly cloudy the coming week
■ Wind speed ranged from 2 to 3 kmph		■ Relative Humidity is likely to range from 72% to 95%.
		■ Wind speed may reach upto 2-3 kmph
		■ Wind may blow from mostly easterly direction
		Weekly cumulative Rainfall: 90mm

WEATHER FORECAST BASED AGROMET ADVISORIES

Anthesis stage	Maria	G . 41 G4	D 4/D'	XX7		
causes empty or small grains during the milking st Weed sanitation and eradication of alternate hosts of rice fields and surrounding areas can help prevent multiplication of the bug TRC/WRC paddy Tillering Adequate land submergence of around 5cm should done to prevent damage to establishing seedlings of high winds and for root development. Daily scouting should be done for pest and disease vegetable Brinjal Fruiting stage Shoot & fruit borer monitoring and mass trapping of shoot & fruit be Replace the lures with fresh lures after every 15-20 interval. King chilli Flowering / fruiting stage Fruit borer stage Colocasia Vegetative stage Vegetative stage Leaf blight Large cardamon Vegetative stage Vegetative stage Leaf eating caterpillar Caterpillar feeds on the leaf lamina from under surface of the leaf and finally defoliates the completely leaving only the midribs. Handpick infected leaves along with the caterpillars and des them by burning.	Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Weed sanitation and eradication of alternate hosts of rice fields and surrounding areas can help prevent multiplication of the bug TRC/WRC paddy Tillering Adequate land submergence of around 5cm should done to prevent damage to establishing seedlings of high winds and for root development. Cucurbitaceous vegetable Brinjal Fruiting stage Shoot & fruit borer monitoring and mass trapping of shoot & fruit borer with fresh lures after every 15-20 interval. King chilli Flowering / fruiting stage stage Colocasia Vegetative stage Vegetative stage Leaf blight Present weather is favourable for the development of blight. The diseases can be controlled by using 2 – 3 spra Dithane M – 45 @ 2g/liter of water followed by Ridom 2 g/ liter of water after 15 days of first application. Large Avegetative stage Cardamon Vegetative stage Cardamon Vegetative stage Caterpillar Caterpillar feeds on the leaf lamina from under surface of the leaf and finally defoliates the completely leaving only the midribs. Handpick infected leaves along with the caterpillars and destrem by burning.	Jhum paddy	Anthesis stage	Gundhi bug			
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TRC/WRC paddy Tillering Adequate land submergence of around 5cm should done to prevent damage to establishing seedlings in high winds and for root development. Cucurbitaceous vegetable Vegetative stage Daily scouting should be done for pest and disease possible. Brinjal Fruiting stage Shoot & fruit borer Pheromone traps @ 5/ acre should be installed monitoring and mass trapping of shoot & fruit beneface the lures with fresh lures after every 15-20 interval. King chilli Flowering / fruiting stage Fruit borer For fruit borer, collect and destroy the damaged from a grown up caterpillars. Colocasia Vegetative stage Leaf blight Present weather is favourable for the development of blight. The diseases can be controlled by using 2 – 3 spra Dithane M – 45 @ 2g/liter of water followed by Ridom 2 g/ liter of water after 15 days of first application. Large cardamon Vegetative stage Leaf eating caterpillar Caterpillar feeds on the leaf lamina from under surface of the leaf and finally defoliates the completely leaving only the midribs. Handpick infected leaves along with the caterpillars and destroy the damaged from the caterpillars and destroy the damaged from the properties of the leaf and finally defoliates the completely leaving only the midribs. Handpick infected leaves along with the caterpillars and destroy the damaged from the properties of the leaf and finally defoliates the completely leaving only the midribs.				rice fields and surrounding areas can help prevent the		
Daily scouting should be done for pest and disease				multiplication of the bug		
high winds and for root development. Cucurbitaceous vegetable Daily scouting should be done for pest and disease vegetable Daily scouting should be done for pest and disease	TRC/WRC	Tillering		Adequate land submergence of around 5cm should be		
Cucurbitaceous vegetable Vegetative stage Daily scouting should be done for pest and disease Brinjal Fruiting stage Shoot & fruit borer Pheromone traps @ 5/ acre should be installed monitoring and mass trapping of shoot & fruit borer Replace the lures with fresh lures after every 15-20 interval. King chilli Flowering / fruiting stage Fruit borer For fruit borer, collect and destroy the damaged frand grown up caterpillars. Colocasia Vegetative stage Leaf blight Present weather is favourable for the development of blight. The diseases can be controlled by using 2 - 3 spra Dithane M - 45 @ 2g/liter of water followed by Ridom 2 g/ liter of water after 15 days of first application. Large cardamon Vegetative stage Leaf eating caterpillar Caterpillar feeds on the leaf lamina from under surface of the leaf and finally defoliates the completely leaving only the midribs. Handpick infected leaves along with the caterpillars and desthem by burning.	paddy			done to prevent damage to establishing seedlings from		
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Pruiting stage Shoot & fruit Brinjal Fruiting stage Shoot & fruit Borer Brinjal	Cucurbitaceous	Vegetative stage		Daily scouting should be done for pest and disease		
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Interval. Flowering / fruiting stage Fruit borer For fruit borer, collect and destroy the damaged from and grown up caterpillars.				Replace the lures with fresh lures after every 15-20 day		
Stage and grown up caterpillars.						
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cardamon surface of the leaf and finally defoliates the completely leaving only the midribs. Handpick infected leaves along with the caterpillars and desthem by burning.	Large	Vegetative stage	Leaf eating			
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them by burning.			•	completely leaving only the midribs. Handpick the		
, e				infected leaves along with the caterpillars and destroy		
T 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	Poultry	High humidity is favourable for occurrence of coccidiodial disease especially in poultry. Provide anti-				
coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry						
Piggery Monsoon weather could lead to gastrointestinal parasites infection. It is advised to maintain	Piggery			ntestinal parasites infection. It is advised to maintain good		
sanitary conditions of pig sheds. Fishery Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may resu	Eighomy			influx from the surrounding areas, the nonde may result in		
reduction of dissolved oxygen. Stir the water with a bamboo pole as it will help in increasing the oxygen.	rishery	•	•			
and protect the fishes from suffocation.						



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Date: 16.08.19	District: Kohin	na	Bulletin No: 65/2019
Weather of preceding week		Weather f	forecast valid upto 21.08.2019
■ Moderatre rain occurred the past week		 Probability of mod 	
■ Max and min temperatures ranged 29°C to 31°C an	18^{0} C to 19^{0} C,	Max temp is likely	to be 25° C - 26° C and min temp 16° C to
respectively.		17 ⁰ C	
■ Relative humidity varied from 79% to 95%.		Sky is likely to be	cloudy the coming week
 Wind speed ranged from 4 to 6kmph 		Relative Humidity	is likely to range from 71% to 95%.
		■ Wind speed may re	each upto 2-4 kmph
			om mostly southeasterly direction
		Weekly cumulative R	ainfall:50mm
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WEATHER FORECAST BASED AGROMET ADVISORIES

WEATHER FORECAST BASED AGROMET ADVISORIES				
Main crop	Stage Pest/Disease Weather based Agro-Advisories			
Jhum paddy	Anthesis stage	Gundhi bug	Fixing of dead crabs, frogs or even pieces of jackfruit (Artocarpus heterophyllas) to bamboo sticks in rice fields should be done to attract and divert pests from sucking milk of rice grain	
TRC paddy	Tillering stage		Severe weed infestation due to moist soil, use simple rotary weeder between the crop rows in both the directions. About four rotary weeding at 10 to 15 days interval could be adequate till panicle initiation	
Cucurbitaceous vegetable	Flowering /fruiting stage	stage avoid further spread of weed seeds. Timely collect and destroy the infested fruits Slightly rake the soil during fruiting time and after the harvest to expose pupae from the soil		
Foxtail Millet	Vegetative stage Timely remove and destroy the disease affected plants to avoid spread of the disease.			
Soybean	Vegetative stage Spray NSKE@ 5% to manage early stage larvae and sucking pest			
Ginger	Vegetative stage Soft rot Stagnation of water predisposes the plant to soft rot infection. Timely earthing up should be done and provide proper channels for drainage of water			
Banana	For additional income and also for effective land use efficiency, short duration crops can be grown as intercrop. It will also check weed control			
Poultry	High humidity is favourable for occurrence of coccidiodial disease especially in poultry. Provide anti- coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry.			
Piggery	Disinfect the floors and walls at frequent intervals. Daily inspection early in the morning should be done for any abnormal behaviour. Observe their general stage of health, check for parasites and injuries, and watch out for any abnormal feeding habits.			
Fishery	_	ed oxygen. Stir	r influx from the surrounding areas, the ponds may result the water with a bamboo pole as it will help in increasing suffocation.	



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Date: 16.08.19	District: Longleng	Bulletin No: 65/2019
Weather of preceding week	k	Weather forecast valid upto 21.08.2019
 Light rain occurred the past week 		 Probability of light to moderate rain
■ Max and min temperatures ranged 29°C to	31° C and 18° C to	■ Max temp is likely to be 28°C-30°C and min temp 19°C to
19 ^o C, respectively.		20^{0} C
■ Relative humidity varied from 73% to 90%.		• Sky is likely to be cloudy the coming week
■ Wind speed ranged from 3 to 4 kmph		• Relative Humidity is likely to range from 70% to 90%.
		■ Wind speed may reach upto 3-4 kmph
		 Wind may blow from mostly south easterly direction
		Weekly cumulative Rainfall: 20mm

Weekly cumulative Rainfall: 20mm WEATHER FORECAST BASED AGROMET ADVISORIES	suitable any bag eight of			
Main cropGrowth StagePest/DiseaseWeather based Agro-AdvisoriesJhum paddyInflorescence stageGundhi bugTrap adult bugs using a light trap, sweep net and distribution of cattle urine/dung and then destroy the traps by smeans. Keep on hanging the cattle urine soaked gun or cow dung wrapped cloth in the field, just at the heat the crop to attract the bugs.TRC/WRC paddyTillering stageLeaf folder weeds.	suitable any bag eight of			
Jhum paddy Inflorescence stage Stage Gundhi bug Trap adult bugs using a light trap, sweep net and discontant of cattle urine/dung and then destroy the traps by someans. Keep on hanging the cattle urine soaked gunder or cow dung wrapped cloth in the field, just at the heat the crop to attract the bugs. TRC/WRC Tillering stage Leaf folder paddy Trap adult bugs using a light trap, sweep net and discontant of cattle urine/dung and then destroy the traps by some ans. Keep on hanging the cattle urine soaked gunder or cow dung wrapped cloth in the field, just at the heat the crop to attract the bugs. Keep the bunds clean by trimming them and remove the weeds.	suitable any bag eight of			
Jhum paddy Inflorescence stage Stage Gundhi bug Trap adult bugs using a light trap, sweep net and discontinuous of cattle urine/dung and then destroy the traps by someans. Keep on hanging the cattle urine soaked gunder or cow dung wrapped cloth in the field, just at the heat the crop to attract the bugs. TRC/WRC paddy Tillering stage Leaf folder weeds.	suitable any bag eight of			
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TRC/WRC Tillering stage Leaf folder Keep the bunds clean by trimming them and remove the weeds.	e grassy			
puuty				
Landing of the affected leaves				
Use of rope to dislodge the leaf feeding larvae of leaf fold	ers.			
Open up the leaf folds with the help of a thorny twig.				
Soybean Vegetative Field scouting should be undertaken to keep a close	watch			
stage on the appearance of insect pest, disease.				
Brinjal Fruiting stage Stem borer Infested plant withers up and presents a stunted grow				
to the feeding activities of the caterpillar on the tissue				
stem. Remove and destroy the affected parts of the	plants			
and pruning should be done	C			
Ginger Vegetative Shoot borer Start monitoring of shoot borer. Main symptom is the present a borehole on the pseudostem through which frass is expected by the stage of the present of the				
stage a borehole on the pseudostem through which frass is e and the withered and yellow central shoot.	xuuded			
Chilli Flowering to Fruit borer Install pheromone traps with replacement of lures once	e in 15			
fruiting stage days				
Colocasia Timely weeding and earthing up should be done to prev	ent soil			
	based pupation.			
• Provide vitamins along with their feed as vitamin deficiencies can cause birds feather picking which becomes a problem	• Provide vitamins along with their feed as vitamin deficiencies can cause birds to start feather picking which becomes a problem			
Piggery • Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regu	ılar de-			
worming to all the pigs				
Fishery In those district where it is raining consistently, fish farmers need to be vigilant; check the	In those district where it is raining consistently, fish farmers need to be vigilant; check the pH of			
the pond regularly as rain cause depletion in pH, thereby causing mortality of the fish.	e pH of			



ICAR RESEARCH COMPLEX FOR NEH REGION

Nagaland Center, Medziphema-797106 Dimapur, Nagaland



Date: 16.08.19	District: Mokokchun	ng Bulletin No: 65/2019
Weather of preceding wee	k	Weather forecast valid upto 21.08.2019
 Moderate rain occurred the past week 		Probability of moderate to heavy rain
■ Max and min temperatures ranged 29 ^o C to 31	⁰ C and 18 ⁰ C to 19 ⁰ C,	Max temp is likely to be $28^{\circ}\text{C}-30^{\circ}\text{C}$ and min temp 19°C to 20°C
respectively.		Sky is likely to be cloudy the coming week
■ Relative humidity varied from 84% to 95%.		Relative Humidity is likely to range from 71% to 97%.
■ Wind speed ranged from 3 to 4 kmph		Wind speed may reach upto 3-4 kmph
		Wind may blow from mostly southeasterly direction
		Weekly cumulative Rainfall: 70mm

Wind			Wind may blow from mostly southeasterly direction Weekly cumulative Rainfall: 70mm	
WEATHER FORECAST BASED AGROMET ADVISORIES				
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories	
Jhum paddy	Inflorescence stage	Gundhi bug	Trap adult bugs using a light trap, sweep net and dirty trap of cattle urine/dung and then destroy the traps by suitable means. Keep on hanging the cattle urine soaked gunny bag or cow dung wrapped cloth in the field, just at the height of the crop to attract the bugs.	
TRC/WRC paddy	Tillering stage	Leaf folder	Keep the bunds clean by trimming them and remove the grassy weeds. Clipping of the affected leaves. Use of rope to dislodge the leaf feeding larvae of leaf folders. Open up the leaf folds with the help of a thorny twig.	
Soybean	Vegetative stage		Field scouting should be undertaken to keep a close watch on the appearance of insect pest, disease.	
Brinjal	Fruiting stage	Stem borer	Infested plant withers up and presents a stunted growth due to the feeding activities of the caterpillar on the tissue of the stem. Remove and destroy the affected parts of the plants and pruning should be done	
Ginger	Vegetative stage	Shoot borer	Start monitoring of shoot borer. Main symptom is the presence of a borehole on the pseudostem through which frass is extruded and the withered and yellow central shoot.	
Chilli	Flowering to fruiting stage	Fruit borer	Install pheromone traps with replacement of lures once in 15 days	
Colocasia			Timely weeding and earthing up should be done to prevent soil based pupation.	
Tapioca	For mealy bug, prune and burned the infested branches, timely removal of weeds, prevent the movement of ants and destroy the already existing ant colonies and clean the farm implements before moving it to the infested crop			
Poultry	 Provide vitamins along with their feed as vitamin deficiencies can cause birds to start feather picking which becomes a problem 			
Piggery	_	 Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs 		
Fishery	In those district where it is raining consistently, fish farmers need to be vigilant; check the pH of the pond regularly as rain cause depletion in pH, thereby causing mortality of the fish.			



ICAR RESEARCH COMPLEX FOR NEH REGION

Nagaland Center, Medziphema-797106 Dimapur, Nagaland



Date: 16.08.19		District: Mon	Bulletin No: 65/2019
	Weather of preceding week		Weather forecast valid upto 21.08.2019
 Heavy rain occurred the past week Max and min temperatures ranged 29°C to 31°C and 18°C to 19°C, respectively. Relative humidity varied from 76% to 95%. Wind speed ranged from 3 to 5 kmph Probability of moderate to heavy rain Max temp is likely to be 28°C - 30°C and min temp 19°C to 20°C Sky is likely to be partly cloudy the coming week Relative Humidity is likely to range from 73% to 95%. Wind speed may reach upto 4-5 kmph Wind may blow from mostly south easterly direction Weekly cumulative Rainfall: 70mm 			
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
Jhum paddy	Milk development stage	Gundhi bug	Keep fermented snail or crab bait @20-25/ha to attract and divert pests from sucking milk of rice grain.
TRC/WRC paddy	Tillering 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.
Colocasia	Vegetative stage	Leaf blight	Present weather is favourable for development of leaf blight. The disease appears on the foliage first as purple to brownish circular water soaked lesions usually at the tip, base and margins of the leaves.
Cucurbitaceous	Vegetative stage	Fruit fly	Bury any infested fruit to prevent the build up of fruit fly population. Covering the fruits with polythene/paper covers help to prevent flies from laying eggs inside the fruits
Ground nut	Vegetative stage		It is essential to keep weed free upto 60 after sowing (DAS), as the maximum damage is caused during this period and removal of these weeds by hand within upto 60 DAS results in the highest net returns.
Soybean	Vegetative stage	Tobacco caterpillar	Tobacco caterpillar starts from 25-30 days after sowing. Install pheromone traps. Survey the field thoroughly and remove plant parts/ plants having gregarious stage of caterpillars
Cardamom	Vegetative stage	Leaf eating caterpillar	It feeds on the leaf lamina from under the surface of the leaf and finally defoliates the leaf completely leaving only the midribs. The best method of control is to handpick the infected leaves along with the caterpillars and destroy them by burning.
Poultry	Avoid overcrowding, Keep the poultry house clean and dry, provide only clean drinking water and provide electrovet powder after vaccination.		
Piggery	Shed should be ventilated and dry. Feed the animals during cool hours of the day		
Fishery	If it is raining consistently, check the pH of the pond regularly as rain cause depletion in pH, thereby causing mortality of the fish. Such ponds should be limed, consulting the nearest Fishery officer.		



ICAR RESEARCH COMPLEX FOR NEH REGION

Nagaland Center, Medziphema-797106 Dimapur, Nagaland



Date: 16.08.19	District: Peren		Bulletin No: 65/2019
Weather of preceding week		Weather	forecast valid upto 21.08.2019
 Moderate rain occurred the past week 		 Probability of light rai 	
■ Max and min temperatures ranged 29°C to 31°C and 18°C to		Max temp is likely to	be 28° C - 30° C and min temp 19° C to 20° C
19 ^o C, respectively.		Sky is likely to be ma	inly cloudy the coming week
■ Relative humidity varied from 84% to 90%.		■ Relative Humidity is	likely to range from 76% to 95%.
■ Wind speed ranged from 3 to 4 kmph		■ Wind speed may reach upto 3-5 kmph	
		Wind may blow from	n mostly southerly direction
		Weekly cumulative Rair	nfall: 20 mm

WEATHER FORECAST BASED AGROMET ADVISORIES			
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
Jhum paddy	Inflorescence emergence	Gundhi bug	Keep fermented snail or crab bait @20-25/ha to attract and divert pests from sucking milk of rice grain. Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the bug.
TRC/WRC paddy	Tillering		Right after transplanting, adequate land submergence of around 5cm is necessary to prevent damage to establishing seedlings from high winds and for root development
Groundnut	Vegetative stage		It is essential to keep weed free upto 60 after sowing (DAS), as the maximum damage is caused during this period and removal of these weeds by hand within upto 60 DAS results in the highest net returns.
Naga king chilli	Fruiting stage		Seed should not be collected from virus affected plants, remove the affected plants and destroy
Cucurbitaceous vegetable	Reproductive stage	Phytophthora blight	Prevention is the first step in managing this disease since this disease is difficult to suppress once it gets started in the fields. Fungicides should be used preventively. Provide proper drainage in fields in order to prevent water logging following heavy rainfall
Soybean	Vegetative stage	Tobacco caterpillar	Tobacco caterpillar starts from 25-30 days after sowing. Install pheromone traps. Survey the field thoroughly and remove plant parts/ plants having gregarious stage of caterpillars
Colocasia	Vegetative stage	Leaf webber	Monitoring should be done for leaf webber. The larvae rolls the leaves and feeds on them. Collect the leaves and bury them in soil. Collect the adult which will be below the leaves and leaf bases
Poultry	Feed during early morning and late afternoon hours to prevent build up of heat. Feed balanced ration with adequate vitamins and minerals.		
Piggery	In case of detection of roundworm in pig, separate the one youngs from infected pig, periodic deworming should be done		
Fishery	Avoid excessive manuring and feeding which can lead to oxygen depletion in cloudy weather.		



ICAR RESEARCH COMPLEX FOR NEH REGION

Nagaland Center, Medziphema-797106 Dimapur, Nagaland



Telephone No: 03862-247241 (O) / Email: amfu.jharnapani@gov.in

Date: 16.08.19	District: Phek	Bulletin No: 65/2019
Weather of preceding week		Weather forecast valid upto 21.08.2019
■ Moderate rain occurred the past week		■ Probability of moderate to heavy rain
■ Max and min temperatures ranged 28°C to 30°C and 18°C to		■ Max temp is likely to be 25°C - 26°C and min temp 16°C to
19 ⁰ C, respectively.		17^{0} C
■ Relative humidity varied from 78% to 98%.		• Sky is likely to be mainly cloudy the coming week
■ Wind speed ranged from 3 to 4kmph		■ Relative Humidity is likely to range from 71% to 95%.
		■ Wind speed may reach upto 2-3 kmph
		■ Wind may blow mostly southwesterly direction
		Weekly cumulative Rainfall: 50mm

WEATHER FORECAST BASED AGROMET ADVISORIES

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Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
Jhum paddy	Anthesis stage	Gundhi bug	Fixing of dead crabs, frogs or even pieces of jackfruit
			(Artocarpus heterophyllas) to bamboo sticks in rice
			fields should be done to attract and divert pests from
TRC paddy	Tillering stage		sucking milk of rice grain Severe weed infestation due to moist soil, use simple rotary
тке рашу	Tillering stage		weeder between the crop rows in both the directions. About
			four rotary weeding at 10 to 15 days interval could be adequate
			till panicle initiation
Cucurbitaceous	Flowering	Fruit fly	Left over weeds should be removed from the field to
vegetable	/fruiting stage		avoid further spread of weed seeds.
			Timely collect and destroy the infested fruits
			Slightly rake the soil during fruiting time and after the harvest to expose pupae from the soil
Foxtail Millet	Vegetative stage		Timely remove and destroy the disease affected plants to
roxidii Millel	vegetative stage		avoid spread of the disease.
C 1	77		*
Soybean	Vegetative stage		Spray NSKE@ 5% to manage early stage larvae and sucking pest
Ginger	Vegetative stage	Soft rot	Stagnation of water predisposes the plant to soft rot
Ginger	vegetative stage	Boit for	infection. Timely earthing up should be done and provide
			proper channels for drainage of water
Ginger	Vegetative stage	Rhizome rot	Once the diseases is spotted in the field, remove the
			affected clumps and drench the soil with Bordeaux
			mixture 1% at 15 days interval.
Cattle	•		
Poultry	High humidity is favourable for occurrence of coccidiodial disease especially in poultry		
		dial drugs. Prov	ide ample supply of clean drinking water, keep the house
	clean and dry.		
Piggery	Disinfect the floors and walls at frequent intervals. Daily inspection early in the		
			r. Observe their general stage of health, check for parasites
Fishery	and injuries, and watch out for any abnormal feeding habits.Due to heavy rainfall and muddy water influx from the surrounding areas, the ponds may result		
1 ishery	•		ir the water with a bamboo pole as it will help in increasing
	the oxygen and prot	• •	· · · · · · · · · · · · · · · · · · ·
	and on jet and prot	cot the Highes Ho	III OUITOUNIOII.