



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Nagaland Center, Medziphema-797106
Dimapur, Nagaland



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

Date: 23.08.19	District: Wokha	Bulletin No: 67/2019
Weather of preceding week		Weather forecast valid upto 28.08.2019
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 27⁰C to 29⁰C and 17⁰C to 18⁰C respectively. ▪ Relative humidity varied from 57% to 90%. ▪ Wind speed ranged from 4 to 6 kmph 		<ul style="list-style-type: none"> ▪ Probability of light to moderate rain ▪ Max temp is likely to be 35⁰C-38⁰C and min temp 26⁰C to 28⁰C ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 53% to 94%. ▪ Wind speed may reach upto 4-5 kmph ▪ Wind may blow from mostly south easterly direction <p style="background-color: #ffffcc; margin-top: 5px;">Weekly cumulative Rainfall: 15mm</p>

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Inflorescence stage	Gundhi bug	Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields should be done to attract and divert pests from sucking milk of rice grain
<i>TRC/WRC paddy</i>	Tillering stage	Gall midge	Maggot feeds at the base of the growing shoot, causing formation of a tube like gall that is similar to “ onion leaf ” or “ Silver-shoot ”. Infested tillers produce no panicles. Set up light trap and monitor the adult flies
<i>Soybean</i>	Vegetative stage		The plant is very sensitive to excess moisture and the crop is affected, if water stagnates in the field
<i>Brinjal</i>	Fruiting stage		Continuous cropping of brinjal leads to more borer and wilt infestation. Therefore, crop rotation with non-solanaceous crops should be followed.
<i>Ginger</i>	Vegetative stage	Shoot borer	For shoot borer, spraying is to be initiated when the first symptom of pest attack is seen on the top most leaf in the form of feeding marks on the margins on the pseudostem. An integrated strategy involves pruning and destroying freshly infected pseudostems during this month.
<i>Chilli</i>	Flowering to fruiting stage	Die back and fruit rot	Early removal of affected plants will control the spread of the disease
<i>Colocasia</i>			Plot should be kept free of weeds for the first three months till the plant cover the interspaces. After the first earthing up a subsequent earthing up should be done lightly to prevent exposure of the growing tubers which would otherwise turn green.
<i>Poultry</i>	High humidity is favourable for occurrence of coccidial disease especially in poultry. Provide anti-coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry.		
<i>Piggery</i>	Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs. A separate house should be there to keep the animals suffering from contagious diseases		
<i>Fishery</i>	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		



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Nagaland Center, Medziphema-797106
Dimapur, Nagaland



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

Date: 23.08.19	District: Zunheboto	Bulletin No: 67/2019
Weather of preceding week		Weather forecast valid upto 28.08.2019
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 27⁰C to 29⁰C and 17⁰C to 18⁰C, respectively. ▪ Relative humidity varied from 64% to 94%. ▪ Wind speed ranged from 2 to 3 kmph 		<ul style="list-style-type: none"> ▪ Probability of moderate to heavy rain ▪ Max temp is likely to be 27⁰C- 29⁰C and min temp 19⁰C to 20⁰C ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 61% to 94%. ▪ Wind speed may reach upto 2-3 kmph ▪ Wind may blow from south easterly direction <p>Weekly cumulative Rainfall: 45mm</p>

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Inflorescence stage	Gundhi bug	Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields should be done to attract and divert pests from sucking milk of rice grain
<i>TRC/WRC paddy</i>	Tillering stage	Gall midge	Maggot feeds at the base of the growing shoot, causing formation of a tube like gall that is similar to “ onion leaf ” or “ Silver-shoot ”. Infested tillers produce no panicles. Set up light trap and monitor the adult flies
<i>Soybean</i>	Vegetative stage		The plant is very sensitive to excess moisture and the crop is affected, if water stagnates in the field
<i>Brinjal</i>	Fruiting stage		Continuous cropping of brinjal leads to more borer and wilt infestation. Therefore, crop rotation with non-solanaceous crops should be followed.
<i>Ginger</i>	Vegetative stage	Shoot borer	For shoot borer, spraying is to be initiated when the first symptom of pest attack is seen on the top most leaf in the form of feeding marks on the margins on the pseudostem. An integrated strategy involves pruning and destroying freshly infected pseudostems during this month.
<i>Chilli</i>	Flowering to fruiting stage	Die back and fruit rot	Early removal of affected plants will control the spread of the disease
<i>Colocasia</i>			Plot should be kept free of weeds for the first three months till the plant cover the interspaces. After the first earthing up a subsequent earthing up should be done lightly to prevent exposure of the growing tubers which would otherwise turn green.
<i>Rice bean</i>	Vegetative stage	Yellow leaves	Disease appears firstly as a red spot and then gradually it turns into reddish brown and then yellow. Remove the infected portion as early as possible to treat this disease.
<i>Poultry</i>	High humidity is favourable for occurrence of coccidial disease especially in poultry. Provide anti- coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry.		
<i>Piggery</i>	Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs. A separate house should be there to keep the animals suffering from contagious diseases		
<i>Fishery</i>	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		



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Nagaland Center, Medziphema-797106
Dimapur, Nagaland



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

Date: 23.08.19	District: Dimapur	Bulletin No: 67/2019
Weather of preceding week		Weather forecast valid upto 28.08.2019
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 33⁰C to 35⁰C and 24⁰C to 25⁰C, respectively. ▪ Relative humidity varied from 47% to 84%. ▪ Wind speed ranged from 4 to 5 kmph 		<ul style="list-style-type: none"> ▪ Probability of light rain ▪ Max temp is likely to be 35⁰C - 36⁰C and min temp 25⁰C to 26⁰C ▪ Sky is likely to be mainly clear the coming week ▪ Relative Humidity is likely to range from 47% to 80%. ▪ Wind speed may reach upto 2-4 kmph ▪ Wind may blow from southerly direction ▪ Weekly cumulative Rainfall: 3mm

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
TRC/WRC paddy	Tillering		Shallow submergence of water upto 5cm depth throughout the crop period is optimum for high yield.
Groundnut	Vegetative stage	Leaf spot	For early leaf spot(Tikka disease) Spray bavistin 0.05%+Dithane M 45 0.2% at 2-3 weeks intervals for 2-3 times starting 4-5 weeks after sowing
Naga king chilli	Fruiting stage	Fruit borer	For fruit borer, collect and destroy the damaged fruits and grown up caterpillars
Cucurbitaceous vegetable	Reproductive stage	Red pumpkin beetle	For red pumpkin beetle, collect and destroy the beetle in early stage of harvesting
Soybean	Vegetative stage	White fly	For white fly, install yellow sticky trap. Paint 1'x 2' size boards with Yellow colour and apply a layer of mustard oil / grease and fix in the field @ 10-15 per ha
Colocasia	Vegetative stage	Leaf blight	In severe cases of leaf blight, the entire leaf lamina and the petioles are affected giving a blighted appearance and collapse of the plant. Remove the self grown colocasia plants
Ginger	Vegetative stage	Bacterial wilt	Soft rot. Yellowing starts from lower leaves to upper leaves. Initially the yellowing is only on the margin and remaining portion of the leaf margin remain green. Provide good drainage, immediately remove the infected plant .
Cattle	Ensure that the animal sheds remain dry during the monsoon season. Make appropriate arrangements to protect animals from exposure to sun and excessive heat.		
Poultry	High humidity is favourable for occurrence of coccidial 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 good sanitary conditions of pig sheds		
Fishery	Do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond.		



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Date: 23.08.19		District: Kiphire		Bulletin No: 67/2019	
Weather of preceding week			Weather forecast valid upto 28.08.2019		
<ul style="list-style-type: none"> ▪ Moderate rain occurred the past week ▪ Max and min temperatures ranged 29⁰C to 30⁰C and 19⁰C to 20⁰C, respectively. ▪ Relative humidity varied from 65% to 95%. ▪ Wind speed ranged from 2 to 3 kmph 			<ul style="list-style-type: none"> ▪ Probability of light to moderate rain ▪ Max temp is likely to be 27⁰C-29⁰C and min temp 19⁰C to 20⁰C ▪ Sky is likely to be mainly clear the coming week ▪ Relative Humidity is likely to range from 52% to 90%. ▪ Wind speed may reach upto 2-3 kmph ▪ Wind may blow from mostly easterly direction 		
			Weekly cumulative Rainfall: 20mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Milky 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		
<i>TRC /WRC paddy</i>	Tillering		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		
<i>Cucurbitaceous vegetable</i>	Vegetative stage		For red pumpkin beetle, collect and destroy the beetle in early stage of harvesting		
<i>Brinjal</i>	Fruiting stage	Little leaf	Rogue out the little leaf affected plants from time to time. The leaves will be small, narrow, soft, smooth and yellow. Plant will appear like a bush. Fruiting is rare		
<i>King chilli</i>	Flowering / fruiting stage	Leaf curl	In case of leaf curl virus, leaves become small, dwarf and assumes withces broom appearance, fruits formed are small and deformed. Seed should not be collected from virus affected plants		
<i>Colocasia</i>	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		
<i>Large cardamon</i>	Vegetative stage	Leaf eating caterpillar	Keep a constant vigil to detect disease affected parts. Uproot and destroy affected plants as soon as symptoms appear. Repeat detection and uprooting at regular intervals		
Poultry	To combat heat stress, supply plenty of clean and cool water, overcrowding of birds should be avoided, shifting, transportation, debeaking and vaccination should be done during night or cool hours of the day				
Piggery	In case of detection of roundworm in pig, separate the young ones from infected pig, periodic deowrming should be done				
Fishery	Feeding should be at the minimum to avoid organic loading in the pond water during acute water scarcity				



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

Date: 23.08.19		District: Kohima		Bulletin No: 67/2019	
Weather of preceding week			Weather forecast valid upto 28.08.2019		
<ul style="list-style-type: none"> ▪ Moderate rain occurred the past week ▪ Max and min temperatures ranged 27⁰C to 28⁰C and 17⁰C to 18⁰C, respectively. ▪ Relative humidity varied from 57% to 93%. ▪ Wind speed ranged from 4 to 6kmph 			<ul style="list-style-type: none"> ▪ Probability of moderate rain ▪ Max temp is likely to be 27⁰C - 29⁰C and min temp 19⁰C to 20⁰C ▪ Sky is likely to be partly cloudy the coming week ▪ Relative Humidity is likely to range from 57% to 93%. ▪ Wind speed may reach upto 2-4 kmph ▪ Wind may blow from mostly southeasterly direction <p style="background-color: yellow; margin: 0;">Weekly cumulative Rainfall: 45mm</p>		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Anthesis stage	Gundhi bug	Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated		
<i>TRC paddy</i>	Tillering stage	Case worm	When infestation of caseworm occurs, one of the following practices should be adopted. Water should be drained out of the rice field and it should keep dry for 3 or 4 days. Feeding damage includes cutting off the leaf tips to make leaf cases and the upper epidermis of leaves that have been fed on is somewhat papery. It usually appears ladder-like. Damage sometimes occurs in patches. So, proper monitoring should be carried out.		
<i>Cucurbitaceous vegetable</i>	Flowering /fruiting stage	Red pumpkin beetle	For red pumpkin beetle, collect and destroy the beetle in early stage of harvesting		
<i>Foxtail Millet</i>	Vegetative stage		Timely remove and destroy the disease affected plants to avoid spread of the disease.		
<i>Soybean</i>	Vegetative stage		For white fly, install yellow sticky trap. Paint 1'x 2' size boards with Yellow colour and apply a layer of mustard oil / grease and fix in the field @ 10-15 per ha		
<i>Ginger</i>	Vegetative stage	Leaf folder	It folds the leaves and remains inside the fold and defoliates the leaves from the tip and margins. Field sanitation should be maintained		
<i>Banana</i>	For leaf eating caterpillar, young larvae feed by scrapping the leaves. hand pick and destroy the egg masses and caterpillars. Collect and destroy the damaged plant parts				
<i>Poultry</i>	Surround the house with tall trees. Shades from tall trees and plantation around the sheds can reduce the radiant heat. plantation of trees should be such that trees will be leafy during summer and bald during winter				
<i>Piggery</i>	Shed should be ventilated and dry. Feed the animals during cool hours of the day. .				
<i>Fishery</i>	Do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond.				



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Dimapur, Nagaland



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

Date: 23.08.19	District: Longleng	Bulletin No: 67/2019
Weather of preceding week		Weather forecast valid upto 28.08.2019
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 29⁰C to 30⁰C and 19⁰C to 20⁰C, respectively. ▪ Relative humidity varied from 62% to 90%. ▪ Wind speed ranged from 3 to 4 kmph 		<ul style="list-style-type: none"> ▪ Probability of light to moderate rain ▪ Max temp is likely to be 35⁰C-37⁰C and min temp 25⁰C to 26⁰C ▪ Sky is likely to be partly cloudy the coming week ▪ Relative Humidity is likely to range from 52% to 90%. ▪ Wind speed may reach upto 3-4 kmph ▪ Wind may blow from mostly south easterly direction <p style="margin-top: 5px;">Weekly cumulative Rainfall: 20mm</p>

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Inflorescence stage	Gundhi bug	Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields should be done to attract and divert pests from sucking milk of rice grain
<i>TRC/WRC paddy</i>	Tillering stage	Gall midge	Maggot feeds at the base of the growing shoot, causing formation of a tube like gall that is similar to “onion leaf” or “Silver-shoot”. Infested tillers produce no panicles. Set up light trap and monitor the adult flies
<i>Soybean</i>	Vegetative stage		The plant is very sensitive to excess moisture and the crop is affected, if water stagnates in the field
<i>Brinjal</i>	Fruiting stage		Continuous cropping of brinjal leads to more borer and wilt infestation. Therefore, crop rotation with non-solanaceous crops should be followed.
<i>Ginger</i>	Vegetative stage	Shoot borer	For shoot borer, spraying is to be initiated when the first symptom of pest attack is seen on the top most leaf in the form of feeding marks on the margins on the pseudostem. An integrated strategy involves pruning and destroying freshly infected pseudostems during this month.
<i>Chilli</i>	Flowering to fruiting stage	Die back and fruit rot	Early removal of affected plants will control the spread of the disease
<i>Colocasia</i>			Plot should be kept free of weeds for the first three months till the plant cover the interspaces. After the first earthing up a subsequent earthing up should be done lightly to prevent exposure of the growing tubers which would otherwise turn green.
<i>Poultry</i>	High humidity is favourable for occurrence of coccidial disease especially in poultry. Provide anti-coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry.		
<i>Piggery</i>	Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs. A separate house should be there to keep the animals suffering from contagious diseases		
<i>Fishery</i>	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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ICAR RESEARCH COMPLEX FOR NEH REGION
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Dimapur, Nagaland



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

Date: 23.08.19		District: Mokokchung		Bulletin No: 67/2019	
Weather of preceding week			Weather forecast valid upto 28.08.2019		
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 29^oC to 30^oC and 19^oC to 20^oC, respectively. ▪ Relative humidity varied from 61% to 92%. ▪ Wind speed ranged from 3 to 4 kmph 			Probability of moderate to heavy rain Max temp is likely to be 27 ^o C-28 ^o C and min temp 19 ^o C to 20 ^o C Sky is likely to be partly cloudy the coming week Relative Humidity is likely to range from 58% to 90%. Wind speed may reach upto 3-4 kmph Wind may blow from mostly southeasterly direction Weekly cumulative Rainfall: 50mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Inflorescence stage	Gundhi bug	Fixing of dead crabs, frogs or even pieces of jackfruit (<i>Artocarpus heterophyllas</i>) to bamboo sticks in rice fields should be done to attract and divert pests from sucking milk of rice grain		
<i>TRC/WRC paddy</i>	Tillering stage	Gall midge	Maggot feeds at the base of the growing shoot, causing formation of a tube like gall that is similar to “onion leaf” or “Silver-shoot”. Infested tillers produce no panicles. Set up light trap and monitor the adult flies		
<i>Soybean</i>	Vegetative stage		The plant is very sensitive to excess moisture and the crop is affected, if water stagnates in the field		
<i>Brinjal</i>	Fruiting/ harvesting stage		Continuous cropping of brinjal leads to more borer and wilt infestation. Therefore, crop rotation with non-solanaceous crops should be followed.		
<i>Ginger</i>	Vegetative stage	Shoot borer	For shoot borer, spraying is to be initiated when the first symptom of pest attack is seen on the top most leaf in the form of feeding marks on the margins on the pseudostem. An integrated strategy involves pruning and destroying freshly infected pseudostems during this month.		
<i>Chilli</i>	Fruiting to harvesting stage	Die back and fruit rot	Early removal of affected plants will control the spread of the disease		
<i>Colocasia</i>			Plot should be kept free of weeds for the first three months till the plant cover the interspaces. After the first earthing up a subsequent earthing up should be done lightly to prevent exposure of the growing tubers which would otherwise turn green.		
<i>Tapioca</i>	Field sanitation (frequent weeding), removal of infected/infested plants, avoid water logging.				
<i>Poultry</i>	High humidity is favourable for occurrence of coccidial disease especially in poultry. Provide anti- coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry.				
<i>Piggery</i>	Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs. A separate house should be there to keep the animals suffering from contagious diseases				
<i>Fishery</i>	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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ICAR RESEARCH COMPLEX FOR NEH REGION
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Dimapur, Nagaland



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

Date: 23.08.19		District: Mon		Bulletin No: 67/2019	
Weather of preceding week			Weather forecast valid upto 28.08.2019		
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 29^oC to 30^oC and 19^oC to 20^oC, respectively. ▪ Relative humidity varied from 64% to 95%. ▪ Wind speed ranged from 3 to 5 kmph 			<ul style="list-style-type: none"> ▪ Probability of light to moderate rain ▪ Max temp is likely to be 27^oC - 29^oC and min temp 19^oC to 20^oC ▪ Sky is likely to be partly cloudy the coming week ▪ Relative Humidity is likely to range from 50% to 95%. ▪ Wind speed may reach upto 4-5 kmph ▪ Wind may blow from mostly south easterly direction <p>Weekly cumulative Rainfall: 30mm</p>		
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Dough development stage	Gundhi bug	Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated		
<i>TRC/WRC paddy</i>	Tillering stage	Blast	It can infect paddy at all growth stages and all aerial parts of plant (leaf, neck and node). Infected part is girdled by a grayish brown lesion, or when severe, causes the panicles to fall over; or on the branches of the panicles which exhibit brown lesions when infected.		
<i>Colocasia</i>	Vegetative stage	Leaf blight	In severe cases, the entire leaf lamina and the petioles are affected giving a blighted appearance and collapse of the plant. Remove the self grown colocasia plants.		
<i>Cucurbitaceous</i>	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		
<i>Ground nut</i>	Vegetative stage	Early leaf spot	Initially minute circular to subcircular chlorotic spots develop on upper surface of leaf, later turn into brown in colour surrounded by yellow halo Timely remove the volunteer groundnut plants, deep burying of crop residues.		
<i>Soybean</i>	Vegetative stage		Proper drainage should be done.		
<i>Cardamom</i>	Vegetative stage	Viral disease	Prompt inspection of plantation, detect and rouging of virus sources reduces re-infection from the diseased source.		
<i>Poultry</i>	High humidity is favourable for occurrence of coccidial disease especially in poultry. Provide anti- coccidial drugs. Provide ample supply of clean drinking water, keep the house clean and dry.				
<i>Piggery</i>	Dispose the dead animals either by burning or deep burial and regularly disinfect the shed and its premises with 1 – 2 % phenyl. Restrict the movement of animals from affected to clean area.				
<i>Fishery</i>	Do not plant big trees near your pond. If there are already big trees there, cut any branches that hang over the pond. Water in your pond may not turn green enough if your pond is in the shade. Do not let weeds cover more than one quarter of the surface.				



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Date: 23.08.19	District: Peren	Bulletin No: 67/2019
Weather of preceding week		Weather forecast valid upto 28.08.2019
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 27⁰C to 28⁰C and 17⁰C to 18⁰C, respectively. ▪ Relative humidity varied from 61% to 90%. ▪ Wind speed ranged from 3 to 5 kmph 		<ul style="list-style-type: none"> ▪ Probability of light to moderate rain ▪ Max temp is likely to be 27⁰C - 28⁰C and min temp 19⁰C to 20⁰C ▪ Sky is likely to be mainly cloudy the coming week ▪ Relative Humidity is likely to range from 61% to 95%. ▪ Wind speed may reach upto 3-4 kmph ▪ Wind may blow from mostly southeasterly direction <p>Weekly cumulative Rainfall: 40 mm</p>

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
Jhum paddy	Inflorescence emergence	Gundhi bug	Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated to control gundhi bug
TRC/WRC paddy	Tillering	Leaf spot	For early leaf spot(Tikka disease) Spray bavistin 0.05%+Dithane M 45 0.2% at 2-3 weeks intervals for 2-3 times starting 4-5 weeks after sowing
Groundnut	Vegetative stage	Fruit borer	For fruit borer, collect and destroy the damaged fruits and grown up caterpillars
Naga king chilli	Fruiting stage	Red pumpkin beetle	For red pumpkin beetle, collect and destroy the beetle in early stage of harvesting
Cucurbitaceous vegetable	Reproductive stage	White fly	For white fly, install yellow sticky trap. Paint 1'x 2' size boards with Yellow colour and apply a layer of mustard oil / grease and fix in the field @ 10-15 per ha
Soybean	Vegetative stage	Leaf blight	In severe cases of leaf blight, the entire leaf lamina and the petioles are affected giving a blighted appearance and collapse of the plant. Remove the self grown colocasia plants
Colocasia	Vegetative stage	Bacterial wilt	Soft rot. Yellowing starts from lower leaves to upper leaves. Initially the yellowing is only on the margin and remaining portion of the leaf margin remain green. Provide good drainage, immediately remove the infected plan .
Poultry	High humidity is favourable for occurrence of coccidial 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 good sanitary conditions of pig sheds		
Fishery	Do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond.		



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Nagaland Center, Medziphema-797106
Dimapur, Nagaland



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

Date: 23.08.19	District: Phek	Bulletin No: 67/2019
Weather of preceding week		Weather forecast valid upto 28.08.2019
<ul style="list-style-type: none"> ▪ Light rain occurred the past week ▪ Max and min temperatures ranged 27⁰C to 30⁰C and 17⁰C to 18⁰C, respectively. ▪ Relative humidity varied from 61% to 92%. ▪ Wind speed ranged from 3 to 4kmph 		<ul style="list-style-type: none"> ▪ Probability of light rain ▪ Max temp is likely to be 36⁰C - 40⁰C and min temp 24⁰C to 27⁰C ▪ Sky is likely to be mainly partly cloudy the coming week ▪ Relative Humidity is likely to range from 44% to 95%. ▪ Wind speed may reach upto 2-3 kmph ▪ Wind may blow mostly southeasterly direction <p style="margin-left: 20px;">Weekly cumulative Rainfall: 10mm</p>

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Anthesis stage	Gundhi bug	Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated
<i>TRC paddy</i>	Tillering stage	Case worm	When infestation of caseworm occurs, one of the following practices should be adopted. Water should be drained out of the rice field and it should keep dry for 3 or 4 days. Feeding damage includes cutting off the leaf tips to make leaf cases and the upper epidermis of leaves that have been fed on is somewhat papery. It usually appears ladder-like. Damage sometimes occurs in patches. So, proper monitoring should be carried out.
<i>Cucurbitaceous vegetable</i>	Flowering /fruiting stage	Red pumpkin beetle	For red pumpkin beetle, collect and destroy the beetle in early stage of harvesting
<i>Foxtail Millet</i>	Vegetative stage		Timely remove and destroy the disease affected plants to avoid spread of the disease.
<i>Soybean</i>	Vegetative stage		For white fly, install yellow sticky trap. Paint 1'x 2' size boards with Yellow colour and apply a layer of mustard oil / grease and fix in the field @ 10-15 per ha
<i>Ginger</i>	Vegetative stage	Leaf folder	It folds the leaves and remains inside the fold and defoliates the leaves from the tip and margins. Field sanitation should be maintained
<i>Ginger</i>	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.
<i>Cattle</i>	Ensure that the animal sheds remain dry during the monsoon season. Make appropriate arrangements to protect animals from exposure to sun and excessive heat.		
<i>Poultry</i>	Surround the house with tall trees. Shades from tall trees and plantation around the sheds can reduce the radiant heat. plantation of trees should be such that trees will be leafy during summer and bald during winter		
<i>Piggery</i>	Shed should be ventilated and dry. Feed the animals during cool hours of the day. .		
<i>Fishery</i>	Do not let weeds cover more than one quarter of the surface. If there are too many weeds, clean your pond.		



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Nagaland Center, Medziphema-797106
Dimapur, Nagaland



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

Date: 23.08.19		District: Tuensang		Bulletin No: 67/2019	
Weather of preceding week			Weather forecast valid upto 28.08.2019		
<ul style="list-style-type: none"> ▪ Moderate rain occurred the past week ▪ Max and min temperatures ranged 29⁰C to 30⁰C and 18⁰C to 20⁰C respectively. ▪ Relative humidity varied from 78% to 95%. ▪ Wind speed ranged from 3 to 4kmph 			<ul style="list-style-type: none"> ▪ Probability of moderate rain ▪ Max temp is likely to be 27⁰C-29⁰C and min temp 19⁰C to 20⁰C ▪ Sky is likely to be partly cloudy the coming week ▪ Relative Humidity is likely to range from 52% to 92%. ▪ Wind speed may reach upto 2-3 kmph ▪ Wind may blow from mostly south easterly direction <p>Weekly cumulative Rainfall: 75mm</p>		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Milky 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		
<i>TRC /WRC paddy</i>	Tillering		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		
<i>Cucurbitaceous vegetable</i>	Vegetative stage		For red pumpkin beetle, collect and destroy the beetle in early stage of harvesting		
<i>Brinjal</i>	Fruiting stage	Little leaf	Rogue out the little leaf affected plants from time to time. The leaves will be small, narrow, soft, smooth and yellow. Plant will appear like a bush. Fruiting is rare		
<i>King chilli</i>	Flowering / fruiting stage	Leaf curl	In case of leaf curl virus, leaves become small,dwarf and assumes withces broom appearance, fruits formed are small and deformed. Seed should not be collected from virus affected plants		
<i>Colocasia</i>	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	To combat heat stress, supply plenty of clean and cool water, overcrowding of birds should be avoided, shifting, transportation, debeaking and vaccination should be done during night or cool hours of the day				
Piggery	In case of detection of roundworm in pig, separate the young ones from infected pig, periodic deowrming should be done				
Fishery	Feeding should be at the minimum to avoid organic loading in the pond water during acute water scarcity				