



**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

<b>Date: 19.07.19</b>	<b>District: Wokha</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.07.2019</b>
<ul style="list-style-type: none"> <li>▪ Moderate to heavy rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C respectively.</li> <li>▪ Relative humidity varied from 87% to 95%.</li> <li>▪ Wind speed ranged from 4 to 6 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>0</sup>C-30<sup>0</sup>C and <b>min temp</b> 18<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 54% to 94%.</li> <li>▪ <b>Wind speed</b> may reach upto 4-5 kmph</li> <li>▪ <b>Wind may blow from mostly southerly direction</b></li> </ul> <p style="background-color: #ffffcc; margin-top: 5px;"><b>Weekly cumulative Rainfall:</b> 30mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Hoeing and weeding should be done in all kharif crops, it improves the root growth and save the water consumption.			
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum Tillering stage	Leaf folder	High humidity, shady areas and high plant density are favourable for leaf folder development. Remove grassy weeds from the field and borders Monitor the paddy field carefully. Destroy the eggs observed in the plants. Commonly, eggs are seen at the tip of the leaves. Break the silk strands that hold the edges of folded leaves and remove the caterpillars inside. Do not drop the live caterpillars into the paddy water as they may find their way back to the rice plants.
<i>TRC/WRC paddy</i>	Transplanting stage		Preferably two weeding at 20 and 40 days after transplanting should be done. Daily monitoring should be done for pest and diseases. If transplanting is delayed, higher number of seedling per hill should be done.
<i>Soybean</i>	Sowing stage		Keeping weather condition in view, sowing should be carried out. For better performance seed should be treated with rhizobium culture before sowing
<i>Brinjal</i>	Fruiting stage	Fruit and shoot borer	Frequent use of ash dust early in the morning on the crop reduces the incidence of shoot and fruit borer. This application hampered the egg laying of insects.
<i>Ginger</i>		Soft rot	Stagnation of water predisposes the plant to infection. Timely earthing up should be done and provide proper channels for drainage of water
<i>Chilli</i>	Vegetative stage	White flies	Yellow sticky traps coated with grease and sticky oils attract white flies. Spray NSKE – 4% (Neem seed kernel extract) – 4 kg Neem seed kernel in 100 liters of water
<i>Colocasia</i>		Leaf blight	Proper drainage should be done to avoid water logging. Present weather is favourable for the development of leaf blight
<i>Poultry</i>	<ul style="list-style-type: none"> <li>● Cages and houses should be kept clean with droppings removed every week</li> <li>● Do not allow wet muddy areas to develop around water containers or anywhere else</li> <li>● Do not place young birds, especially under 3 months old, in runs where older birds have recently been kept as they may develop infection with coccidia.</li> </ul>		
<i>Piggery</i>	<ul style="list-style-type: none"> <li>● During this season, try to keep the shelter waterproof and well ventilated as they do not sweat and can suffer greatly in extreme heat</li> </ul>		
<i>Fishery</i>	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.		



**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



<b>Date: 19.07.19</b>	<b>District: Zunheboto</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.07.2019</b>
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 92% to 95%.</li> <li>▪ Wind speed ranged from 2 to 3 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate to heavy rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>0</sup>C- 29<sup>0</sup>C and <b>min temp</b> 18<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 78% to 97%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> </ul> <p><b>Weekly cumulative Rainfall:</b> 60mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Hoeing and weeding should be done in all kharif crops, it improves the root growth and save the water consumption.			
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum Tillering stage	Blast	<ul style="list-style-type: none"> <li>• Scout fields for leaf blast symptoms, especially on susceptible varieties. If leaf blast is present, a preventative fungicide application should be considered</li> <li>• Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field. They act as a source for the infection</li> </ul>
<i>TRC/WRC paddy</i>	Transplanting stage		Preferably two weeding at 20 and 40 days after transplanting should be done. Daily monitoring should be done for pest and diseases. If transplanting is delayed, higher number of seedling per hill should be done.
<i>Soybean</i>	Sowing stage		Keeping weather condition in view, sowing should be carried out. For better performance seed should be treated with rhizobium culture before sowing
<i>Brinjal</i>	Fruiting stage	Fruit and shoot borer	Frequent use of ash dust early in the morning on the crop reduces the incidence of shoot and fruit borer. This application hampered the egg laying of insects.
<i>Ginger</i>		Soft rot	Stagnation of water predisposes the plant to infection. Timely earthing up should be done and provide proper channels for drainage of water
<i>Chilli</i>	Vegetative stage	White flies	Yellow sticky traps coated with grease and sticky oils attract white flies. Spray NSKE – 4% (Nem seed kernel extract) – 4 kg Neem seed kernel in 100 liters of water
<i>Colocasia</i>		Leaf blight	Proper drainage should be done to avoid water logging. Present weather is favourable for the development of leaf blight
<i>Rice bean</i>	Sowing stage		Maintain a row spacing of 30cm and plant spacing of 10-12cm
<i>Poultry</i>	<ul style="list-style-type: none"> <li>• Cages and houses should be kept clean with droppings removed every week</li> <li>• Do not allow wet muddy areas to develop around water containers or anywhere else</li> <li>• Do not place young birds, especially under 3 months old, in runs where older birds have recently been kept as they may develop infection with coccidia.</li> </ul>		
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• During this season, try to keep the shelter waterproof and well ventilated as they do not sweat and can suffer greatly in extreme heat</li> </ul>		
<i>Fishery</i>	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.		



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**ICAR RESEARCH COMPLEX FOR NEH REGION**  
**Nagaland Center, Medziphema-797106**  
**Dimapur, Nagaland**



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

Date: 19.07.19		District: Dimapur		Bulletin No: 57/2019	
<b>Weather of preceding week</b>			<b>Weather forecast valid upto 24.07.2019</b>		
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Max and min temperatures ranged 28<sup>0</sup>C to 29<sup>0</sup>C and 23<sup>0</sup>C to 24<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 83% to 95%.</li> <li>▪ Wind speed ranged from 5 to 6 kmph</li> </ul>			<ul style="list-style-type: none"> <li>▪ Probability of light rain</li> <li>▪ <b>Max temp</b> is likely to be 30<sup>0</sup>C - 35<sup>0</sup>C and <b>min temp</b> 24<sup>0</sup>C to 25<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 56% to 86%.</li> <li>▪ <b>Wind speed</b> may reach upto 4-5 kmph</li> <li>▪ <b>Wind may blow from mostly southeasterly direction</b></li> <li>▪ <b>Weekly cumulative Rainfall:</b> 2mm</li> </ul>		
<b>WEATHER FORECAST BASED AGROMET ADVISORIES</b>					
Through frequent field inspections, pest problems can be identified in time and act quickly to prevent pests from spreading and causing further damage to crops					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>TRC/WRC paddy</i>	Transplanting		If transplanting is in process, clip off the tip of seedling so as to reduce carryover of yellow stem borer egg from nursery to main field, as the egg of stem borers are laid near the tip of the leaves		
<i>Groundnut</i>	Vegetative stage		Spray neem oil @5ml/ltr water alongwith suitable surfactant like soap powder @ 1g/ltr or NSKE 5% as it acts as oviposition deterrent		
<i>Naga king chilli</i>	Fruiting stage	Leaf curl	Leaves become small in size, plants become stunted and poor with no bearing of fruits  Uproot and burn infested plants. Early spray of neem oil@5ml/litre of water will control white fly which is vector for transmission of viral disease.		
<i>Cucurbitaceous vegetable</i>	Vegetative stage		Daily scouting should be done for pest and disease		
<i>Soybean</i>	Germination stage	Stem borers	Timely weed control should be done		
<i>Poultry</i>	On very sunny and humid days provide electrolytes to replenish their lost nutrients				
<i>Piggery</i>	Feed well cooked green vegetables to the pigs. Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs				
<i>Fishery</i>	Monthly application of lime at low dose not only helps in maintaining the water pH of the pond but also acts as a source of calcium and disinfects the pond				



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**Nagaland Center, Medziphema-797106**  
**Dimapur, Nagaland**



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

<b>Date: 19.07.19</b>	<b>District: Kiphire</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.07.2019</b>
<ul style="list-style-type: none"> <li>▪ Heavy rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 83% to 95%.</li> <li>▪ Wind speed ranged from 3 to 4 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate to heavy rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>0</sup>C-30<sup>0</sup>C and <b>min temp</b> 18<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 64% to 94%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li> <li>▪ <b>Wind may blow from mostly southerly direction</b></li> </ul> <p style="background-color: #e0e0e0; padding: 2px;"><b>Weekly cumulative Rainfall: 90 mm</b></p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Inflorescence stage	Stem borer	Maintain weed free field to reduce stem borer infestation
<i>TRC /WRC paddy</i>	Tillering	Gall midge	Maggot feeds at the base of the growing shoot, causing formation of a tube like gall that is similar to “ <b>onion leaf</b> ” or “ <b>Silver-shoot</b> ”. Infested tillers produce no panicles. Set up light trap and monitor the adult flies.
<i>Maize</i>	Harvesting stage		Harvested ears should be dried in the sun before shelling.
<i>Cucurbitaceous vegetable</i>	Vegetative stage		Daily scouting should be done for pest and disease
<i>Brinjal</i>	Flowering/fruitletting stage	Fruit and shoot borer	For Neem Seed Kernel Extract (NSKE), Always use freshly prepared extract
<i>King chilli</i>	Flowering / fruitletting stage	Fruit borer	Spray Neem oil @ 5 ml/liter of water after fruit setting to avoid the larval stage of fruit borer and control the aphid population at Economic Threshold Level.
<i>Colocasia</i>	Vegetative stage	Leaf blight	Monitoring should be done for leaf blight. When weather is cloudy, rainfall coupled with moderate temperature & high humidity, the epidemics of diseases is favoured.
Poultry	<ul style="list-style-type: none"> <li>• To combat heat stress, supply plenty of clean and cool water, overcrowding of birds should be avoided, shifting, transportation, de-beaking and vaccination should be done during night or cool hours of the day,</li> </ul>		
Piggery	<ul style="list-style-type: none"> <li>• Feed well cooked green vegetables to the pigs. Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs.</li> </ul>		
Fishery	<ul style="list-style-type: none"> <li>• Chickens, pigs or ducks can be raised near the fishery pond. Their houses and pens can be build on the banks or over the ponds and the manure can be swept into the ponds.</li> </ul>		



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**Nagaland Center, Medziphema-797106**  
**Dimapur, Nagaland**



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

<b>Date: 19.07.19</b>	<b>District: Kohima</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.07.2019</b>
<ul style="list-style-type: none"> <li>▪ Moderate to heavy rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 87% to 94%.</li> <li>▪ Wind speed ranged from 4 to 6kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 27<sup>0</sup>C - 29<sup>0</sup>C and <b>min temp</b> 17<sup>0</sup>C to 18<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 85% to 96%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from mostly southeasterly direction</b></li> </ul> <p style="background-color: #ffffcc; margin-top: 5px;"><b>Weekly cumulative Rainfall: 50 mm</b></p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Booting to inflorescence stage		Frequent field inspections should be done, as pest problems can be identified in time and act quickly to prevent pests from spreading and causing further damage to crops.
<i>TRC paddy</i>	Tillering stage		Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.
<i>Maize</i>	Harvesting stage		Maize ears should preferably be dried for 3-4 days after harvesting to improve grain recoveries and reduce breakage losses during shelling
<i>Cucurbitaceous vegetable</i>	Flowering /fruiting stage	Fruit fly	Left over weeds should be removed from the field to 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
<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	Semilooper	Leaves are with holes and severe damage results in skeletonization and defoliation
<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>Poultry</i>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> </ul>		
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• Feed well cooked green vegetables to the pigs. Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs.</li> </ul>		
<i>Fishery</i>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>		



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**Dimapur, Nagaland**



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

<b>Date: 19.07.19</b>	<b>District: Longleng</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.07.2019</b>
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Max and min temperatures ranged 25<sup>0</sup>C to 27<sup>0</sup>C and 17<sup>0</sup>C to 18<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 90% to 96%.</li> <li>▪ Wind speed ranged from 3 to 5 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of light to moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>0</sup>C-29<sup>0</sup>C and <b>min temp</b> 18<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 69% to 95%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from mostly south easterly direction</b></li> </ul> <p><b>Weekly cumulative Rainfall:</b> 40mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Hoeing and weeding should be done in all kharif crops, it improves the root growth and save the water consumption.			
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum Tillering stage	Blast	<ul style="list-style-type: none"> <li>• Scout fields for leaf blast symptoms, especially on susceptible varieties. If leaf blast is present, a preventative fungicide application should be considered</li> <li>• Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field. They act as a source for the infection</li> </ul>
<i>TRC/WRC paddy</i>	Transplanting stage		Preferably two weeding at 20 and 40 days after transplanting should be done. Daily monitoring should be done for pest and diseases. If transplanting is delayed, higher number of seedling per hill should be done.
<i>Soybean</i>	Sowing stage		Keeping weather condition in view, sowing should be carried out. For better performance seed should be treated with rhizobium culture before sowing
<i>Brinjal</i>	Fruiting stage	Fruit and shoot borer	Frequent use of ash dust early in the morning on the crop reduces the incidence of shoot and fruit borer. This application hampered the egg laying of insects.
<i>Ginger</i>		Soft rot	Stagnation of water predisposes the plant to infection. Timely earthing up should be done and provide proper channels for drainage of water
<i>Chilli</i>	Vegetative stage	White flies	Yellow sticky traps coated with grease and sticky oils attract white flies. Spray NSKE – 4% (Nem seed kernel extract) – 4 kg Neem seed kernel in 100 liters of water
<i>Colocasia</i>		Leaf blight	Proper drainage should be done to avoid water logging. Present weather is favourable for the development of leaf blight
<i>Poultry</i>	<ul style="list-style-type: none"> <li>• Cages and houses should be kept clean with droppings removed every week</li> <li>• Do not allow wet muddy areas to develop around water containers or anywhere else</li> <li>• Do not place young birds, especially under 3 months old, in runs where older birds have recently been kept as they may develop infection with coccidia.</li> </ul>		
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• During this season, try to keep the shelter waterproof and well ventilated as they do not sweat and can suffer greatly in extreme heat</li> </ul>		
<i>Fishery</i>	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.		



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**ICAR RESEARCH COMPLEX FOR NEH REGION**  
**Nagaland Center, Medziphema-797106**  
**Dimapur, Nagaland**



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

<b>Date: 19.07.19</b>	<b>District: Mokokchung</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.07.2019</b>
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 84% to 95%.</li> <li>▪ Wind speed ranged from 3 to 4 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>0</sup>C-29<sup>0</sup>C and <b>min temp</b> 18<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 76% to 97%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> </ul> <p style="background-color: #ffffcc; margin-top: 5px;"><b>Weekly cumulative Rainfall:</b> 50mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Hoeing and weeding should be done in all kharif crops, it improves the root growth and save the water consumption.

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum Tillering stage	Blast	<ul style="list-style-type: none"> <li>• Scout fields for leaf blast symptoms, especially on susceptible varieties. If leaf blast is present, a preventative fungicide application should be considered</li> <li>• Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field. They act as a source for the infection</li> </ul>
<i>TRC/WRC paddy</i>	Transplanting stage		Preferably two weeding at 20 and 40 days after transplanting should be done. Daily monitoring should be done for pest and diseases. If transplanting is delayed, higher number of seedling per hill should be done.
<i>Soybean</i>	Sowing stage		Keeping weather condition in view, sowing should be carried out. For better performance seed should be treated with rhizobium culture before sowing
<i>Brinjal</i>	Fruiting stage	Fruit and shoot borer	Frequent use of ash dust early in the morning on the crop reduces the incidence of shoot and fruit borer. This application hampered the egg laying of insects.
<i>Ginger</i>		Soft rot	Stagnation of water predisposes the plant to infection. Timely earthing up should be done and provide proper channels for drainage of water
<i>Chilli</i>	Vegetative stage	White flies	Yellow sticky traps coated with grease and sticky oils attract white flies. Spray NSKE – 4% (Neem seed kernel extract) – 4 kg Neem seed kernel in 100 liters of water
<i>Colocasia</i>		Leaf blight	Proper drainage should be done to avoid water logging. Present weather is favourable for the development of leaf blight
<i>Tapioca</i>	For white flies spray neem oil 3%. Maintain proper sanitation. Timely remove infected/infested plant		
<i>Poultry</i>	<ul style="list-style-type: none"> <li>• Cages and houses should be kept clean with droppings removed every week</li> <li>• Do not allow wet muddy areas to develop around water containers or anywhere else</li> <li>• Do not place young birds, especially under 3 months old, in runs where older birds have recently been kept as they may develop infection with coccidia.</li> </ul>		
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• During this season, try to keep the shelter waterproof and well ventilated as they do not sweat and can suffer greatly in extreme heat</li> </ul>		
<i>Fishery</i>	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.		



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**Dimapur, Nagaland**



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Date: 19.07.19		District: Mon		Bulletin No: 57/2019	
Weather of preceding week			Weather forecast valid upto 24.07.2019		
<ul style="list-style-type: none"> <li>▪ Heavy rain occurred the past week</li> <li>▪ Max and min temperatures ranged 25<sup>o</sup>C to 26<sup>o</sup>C and 16<sup>o</sup>C to 18<sup>o</sup>C, respectively.</li> <li>▪ Relative humidity varied from 83% to 95%.</li> <li>▪ Wind speed ranged from 3 to 5 kmph</li> </ul>			<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>o</sup>C - 30<sup>o</sup>C and <b>min temp</b> 18<sup>o</sup>C to 19<sup>o</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 74% to 95%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from mostly southerly direction</b></li> </ul> <p><b>Weekly cumulative Rainfall:</b> 25mm</p>		
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Anthesis stage	Gundhi bug	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 stage	Stem borer	Pull out and destroy the affected tillers. The larvae of these insects bore into the stem and cause damage. Central leaf whorl does not unfold, turns brownish and dries out although the lower leaves remain green and healthy		
<i>Maize</i>	Harvesting stage		Maize ears should preferably be dried for 3-4 days after harvesting to improve grain recoveries and reduce breakage losses during shelling		
<i>Colocasia</i>	Vegetative stage	Leaf webber	The larvae roll the leaves and feeds on them thereby reducing the photosynthetic area of the leaves. Collect the leaves and bury them in soil. Collect the adults below the leaves and leaf bases		
<i>Cucurbitaceous</i>	Vegetative stage		Daily scouting should be done for pest and disease		
<i>Ground nut</i>	Germination stage		Spray neem oil @5ml/ltr water alongwith suitable surfactant like soap powder @ 1g/ltr or NSKE 5% as it acts as oviposition deterrent		
<i>Soybean</i>	Germination stage	Stem borers	Timely weed control should be done		
<i>Poultry</i>	Prevent water logging near poultry sheds to prevent mosquito breeding				
<i>Piggery</i>	Nutritional needs of pig should be divided into six categories: water, carbohydrates, fats, proteins, vitamins and minerals				
<i>Fishery</i>	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. Such ponds should be limed, consulting the nearest Fishery officer.				



**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

<b>Date: 19.07.19</b>	<b>District: Peren</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>	<b>Weather forecast valid upto 24.07.2019</b>	
<ul style="list-style-type: none"> <li>▪ Moderate rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 90% to 96%.</li> <li>▪ Wind speed ranged from 3 to 4 kmph</li> </ul>	<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 28<sup>0</sup>C - 30<sup>0</sup>C and <b>min temp</b> 18<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 61% to 97%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from mostly southerly direction</b></li> </ul> <p><b>Weekly cumulative Rainfall:</b> 45mm</p>	

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Through frequent field inspections, pest problems can be identified in time and act quickly to prevent pests from spreading and causing further damage to crops

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum Tillering stage		Daily monitoring of the field should be done and assess changes in plant health, pest status and crop damage
<i>TRC/WRC paddy</i>	Transplanting		If transplanting is in process, clip off the tip of seedling so as to reduce carryover of yellow stem borer egg from nursery to main field, as the egg of stem borers are laid near the tip of the leaves
<i>Groundnut</i>	Vegetative stage		Spray neem oil @5ml/ltr water alongwith suitable surfactant like soap powder @ 1g/ltr or NSKE 5% as it acts as oviposition deterrent
<i>Naga king chilli</i>	Fruiting stage	Leaf curl	Leaves become small in size, plants become stunted and poor with no bearing of fruits Uproot and burn infested plants. Early spray of neem oil@5ml/litre of water will control white fly which is vector for transmission of viral disease.
<i>Cucurbitaceous vegetable</i>	Vegetative stage		Daily scouting should be done for pest and disease
<i>Soybean</i>	Germination stage	Stem borers	Timely weed control should be done
<i>Poultry</i>	On very sunny and humid days provide electrolytes to replenish their lost nutrients		
<i>Piggery</i>	Feed well cooked green vegetables to the pigs. Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs		
<i>Fishery</i>	Monthly application of lime at low dose not only helps in maintaining the water pH of the pond but also acts as a source of calcium and disinfects the 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

<b>Date: 19.07.19</b>	<b>District: Phek</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>	<b>Weather forecast valid upto 24.07.2019</b>	
<ul style="list-style-type: none"> <li>▪ Moderate to heavy rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 25<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 90% to 97%.</li> <li>▪ Wind speed ranged from 3 to 4kmph</li> </ul>	<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 27<sup>0</sup>C - 29<sup>0</sup>C and <b>min temp</b> 17<sup>0</sup>C to 18<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 54% to 97%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li> <li>▪ <b>Wind may blow mostly southerly direction</b></li> </ul> <p style="margin-left: 20px;"><b>Weekly cumulative Rainfall:</b> 45mm</p>	

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Booting stage		Frequent field inspections should be done, as pest problems can be identified in time and act quickly to prevent pests from spreading and causing further damage to crops.
<i>TRC paddy</i>	Tillering stage		Weeds cause most yield loss within the first 20–50 days after crop establishment. First weeding should be done within 2–3 weeks after establishment and the second in another 2–3 weeks.
<i>Maize</i>	Harvesting stage		Maize ears should preferably be dried for 3-4 days after harvesting to improve grain recoveries and reduce breakage losses during shelling
<i>Cucurbitaceous vegetable</i>	Flowering /fruiting stage	Fruit fly	Left over weeds should be removed from the field to 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
<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	Semilooper	Leaves are with holes and severe damage results in skeletonization and defoliation
<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>Poultry</i>	<ul style="list-style-type: none"> <li>• Trees should be planted near shed to provide shade as well as cool breeze.</li> <li>• Prevent water logging near poultry sheds to prevent mosquito breeding.</li> </ul>		
<i>Piggery</i>	<ul style="list-style-type: none"> <li>• Feed well cooked green vegetables to the pigs. Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs.</li> </ul>		
<i>Fishery</i>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>		



**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

<b>Date: 19.07.19</b>	<b>District: Tuensang</b>	<b>Bulletin No: 57/2019</b>
<b>Weather of preceding week</b>	<b>Weather forecast valid upto 24.07.2019</b>	
<ul style="list-style-type: none"> <li>▪ Moderate to heavy rain occurred the past week</li> <li>▪ Max and min temperatures ranged 23<sup>0</sup>C to 24<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C respectively.</li> <li>▪ Relative humidity varied from 91% to 94%.</li> <li>▪ Wind speed ranged from 3 to 4kmph</li> </ul>	<ul style="list-style-type: none"> <li>▪ Probability of moderate rain</li> <li>▪ <b>Max temp</b> is likely to be 26<sup>0</sup>C-28<sup>0</sup>C and <b>min temp</b> 16<sup>0</sup>C to 17<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be cloudy</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 77% to 97%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li> <li>▪ <b>Wind may blow from southerly direction</b></li> </ul>	
<b>Weekly cumulative Rainfall:</b> 70mm		

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Inflorescence stage	Stem borer	Maintain weed free field to reduce stem borer infestation
<i>TRC /WRC paddy</i>	Tillering	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>Maize</i>	Harvesting stage		Harvested ears should be dried in the sun before shelling.
<i>Cucurbitaceous vegetable</i>	Vegetative stage		Daily scouting should be done for pest and disease
<i>Brinjal</i>	Flowering/fruiting stage	Fruit and shoot borer	For Neem Seed Kernel Extract (NSKE), Always use freshly prepared extract
<i>King chilli</i>	Flowering / fruiting stage	Fruit borer	Spray Neem oil @ 5 ml/liter of water after fruit setting to avoid the larval stage of fruit borer and control the aphid population at Economic Threshold Level.
<i>Colocasia</i>	Vegetative stage	Leaf blight	Monitoring should be done for leaf blight. When weather is cloudy, rainfall coupled with moderate temperature & high humidity, the epidemics of diseases is favoured.
Poultry	<ul style="list-style-type: none"> <li>• To combat heat stress, supply plenty of clean and cool water, overcrowding of birds should be avoided, shifting, transportation, de-beaking and vaccination should be done during night or cool hours of the day,</li> </ul>		
Piggery	<ul style="list-style-type: none"> <li>• Feed well cooked green vegetables to the pigs. Provide plenty of clean drinking water. Keep the pig sty clean, dry and follow regular de-worming to all the pigs.</li> </ul>		
Fishery	<ul style="list-style-type: none"> <li>• Chickens, pigs or ducks can be raised near the fishery pond. Their houses and pens can be build on the banks or over the ponds and the manure can be swept into the ponds.</li> </ul>		