



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

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Date: 26.07.19		District: Zunheboto		Bulletin No: 59/2019	
Weather of preceding week			Weather forecast valid upto 31.07.2019		
<ul style="list-style-type: none"><li>Moderate rain occurred the past week</li><li>Max and min temperatures ranged 29<sup>0</sup>C to 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li><li>Relative humidity varied from 70% to 97%.</li><li>Wind speed ranged from 2 to 3 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> 22<sup>0</sup>C to 23<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 72% to 95%.</li><li><b>Wind speed</b> may reach upto 2-4kmph</li><li><b>Wind may blow from south easterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 40mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	Booting stage		Daily monitoring should be done for pest and diseases and try to manage it during the initial stage.		
TRC/WRC paddy	Tillering stage		Maintain the water level in the field upto 5cm from one week after transplanting until grain matures		
Soybean	Germination stage		Spray of NSKE @ 5% for management of early stage larvae and sucking pest.		
Brinjal	Fruiting stage	Borer and wilt	Continuous cropping of brinjal leads to more borer and wilt infestation. Therefore, crop rotation with non-solanaceous crops should be followed.		
Ginger	Vegetative stage	Bacterial wilt	Once the disease is noticed in the field 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%. Care should be taken to dispose the removed plants far from the cultivated area or destroyed by burning.		
Chilli	Flowering to fruiting stage	Borer and aphid	Spray of 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.		
Colocasia			Timely weeding and earthing up should be done to prevent soil based pupation.		
Rice bean	Germination stage				
Poultry	<ul style="list-style-type: none"><li>Prevent water logging near poultry sheds to prevent mosquito breeding</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	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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Date: 26.07.19		District: Dimapur		Bulletin No: 59/2019	
Weather of preceding week			Weather forecast valid upto 31.07.2019		
<ul style="list-style-type: none"><li>▪ Moderate rain occurred the past week</li><li>▪ Max and min temperatures ranged 30<sup>0</sup>C to 35<sup>0</sup>C and 24<sup>0</sup>C to 25<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 56% to 86%.</li><li>▪ Wind speed ranged from 4 to 5 kmph</li></ul>			<ul style="list-style-type: none"><li>▪ Probability of light rain</li><li>▪ <b>Max temp</b> is likely to be 33<sup>0</sup>C - 34<sup>0</sup>C and <b>min temp</b> 25<sup>0</sup>C to 26<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 52% to 94%.</li><li>▪ <b>Wind speed</b> may reach upto 4-5 kmph</li><li>▪ <b>Wind may blow from mostly southeasterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 15mm		
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>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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Date: 26.07.19	District: Kiphire	Bulletin No: 59/2019
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 31.07.2019</b>
<ul style="list-style-type: none"> <li>Moderate rain occurred the past week</li> <li>Max and min temperatures ranged 27<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 64% to 94%.</li> <li>Wind speed ranged from 2 to 3 kmph</li> </ul>		<ul style="list-style-type: none"> <li>Probability of 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> 22<sup>0</sup>C to 23<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 66% to 95%.</li> <li><b>Wind speed</b> may reach upto 2-3 kmph</li> <li><b>Wind may blow from mostly southeasterly direction</b></li> <li><b>Weekly cumulative Rainfall:</b> 85 mm</li> </ul>

**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/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>		



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Date: 26.07.19	District: Kohima	Bulletin No: 59/2019
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 31.07.2019</b>
<ul style="list-style-type: none"> <li>Moderate rain occurred the past week</li> <li>Max and min temperatures ranged 27<sup>0</sup>C to 29<sup>0</sup>C and 18<sup>0</sup>C to 19<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 81% to 96%.</li> <li>Wind speed ranged from 4 to 6kmph</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> 22<sup>0</sup>C to 23<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 73% 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>
		<b>Weekly cumulative Rainfall:</b> 60 mm

**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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Date: 26.07.19		District: Longleng		Bulletin No: 59/2019	
Weather of preceding week			Weather forecast valid upto 31.07.2019		
<ul style="list-style-type: none"><li>▪ Moderate rain occurred the past week</li><li>▪ Max and min temperatures ranged 30<sup>0</sup>C to 37<sup>0</sup>C and 24<sup>0</sup>C to 25<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 64% to 95%.</li><li>▪ Wind speed ranged from 3 to 4 kmph</li></ul>			<ul style="list-style-type: none"><li>▪ Probability of light 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> 22<sup>0</sup>C to 23<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 54% to 97%.</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> <b>Weekly cumulative Rainfall:</b> 15mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Booting stage		Daily monitoring should be done for pest and diseases and try to manage it during the initial stage.		
<i>TRC/WRC paddy</i>	Tillering stage		Maintain the water level in the field upto 5cm from one week after transplanting until grain matures		
<i>Soybean</i>	Germination stage		Spray of NSKE @ 5% for management of early stage larvae and sucking pest.		
<i>Brinjal</i>	Fruiting stage	Borer and wilt	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	Bacterial wilt	Once the disease is noticed in the field 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%. Care should be taken to dispose the removed plants far from the cultivated area or destroyed by burning.		
<i>Chilli</i>	Flowering to fruiting stage	Borer and aphid	Spray of 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>			Timely weeding and earthing up should be done to prevent soil based pupation.		
<i>Poultry</i>	<ul style="list-style-type: none"><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>	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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Date: 26.07.19		District: Mokokchung		Bulletin No: 59/2019
Weather of preceding week			Weather forecast valid upto 31.07.2019	
<ul style="list-style-type: none"><li>Moderate rain occurred the past week</li><li>Max and min temperatures ranged 29<sup>0</sup>C to 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li><li>Relative humidity varied from 68% to 97%.</li><li>Wind speed ranged from 2 to 4 kmph</li></ul>			Probability of moderate to heavy rain <b>Max temp</b> is likely to be 28 <sup>0</sup> C-29 <sup>0</sup> C and <b>min temp</b> 22 <sup>0</sup> C to 23 <sup>0</sup> C <b>Sky is likely to be mainly cloudy</b> the coming week <b>Relative Humidity</b> is likely to range from 65% to 97%. <b>Wind speed</b> may reach upto 3-4 kmph <b>Wind may blow from south easterly direction</b> <b>Weekly cumulative Rainfall:</b> 60mm	
WEATHER FORECAST BASED AGROMET ADVISORIES				
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories	
Jhum paddy	Booting stage		Daily monitoring should be done for pest and diseases and try to manage it during the initial stage.	
TRC/WRC paddy	Tillering stage		Maintain the water level in the field upto 5cm from one week after transplanting until grain matures	
Soybean	Germination stage		Spray of NSKE @ 5% for management of early stage larvae and sucking pest.	
Brinjal	Fruiting stage	Borer and wilt	Continuous cropping of brinjal leads to more borer and wilt infestation. Therefore, crop rotation with non-solanaceous crops should be followed.	
Ginger	Vegetative stage	Bacterial wilt	Once the disease is noticed in the field 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%. Care should be taken to dispose the removed plants far from the cultivated area or destroyed by burning.	
Chilli	Flowering to fruiting stage	Borer and aphid	Spray of 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.	
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	<ul style="list-style-type: none"><li>Prevent water logging near poultry sheds to prevent mosquito breeding</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	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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Date: 26.07.19		District: Mon	Bulletin No: 59/2019
Weather of preceding week		Weather forecast valid upto 31.07.2019	
<ul style="list-style-type: none"> <li>Moderate rain occurred the past week</li> <li>Max and min temperatures ranged 29°C to 30°C and 20°C to 21°C, respectively.</li> <li>Relative humidity varied from 60% to 95%.</li> <li>Wind speed ranged from 2 to 5 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°C - 29°C and <b>min temp</b> 22°C to 23°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 64% to 85%.</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>	
		Weekly cumulative Rainfall: 55mm	
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.		



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Date: 26.07.19		District: Peren		Bulletin No: 59/2019	
Weather of preceding week			Weather forecast valid upto 31.07.2019		
<ul style="list-style-type: none"><li>▪ Moderate rain occurred the past week</li><li>▪ Max and min temperatures ranged 29<sup>0</sup>C to 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 71% 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 - 29<sup>0</sup>C and <b>min temp</b> 22<sup>0</sup>C to 23<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 77% to 95%.</li><li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li><li>▪ <b>Wind may blow from mostly southeasterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 55mm		
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	
Jhum paddy		Maximum Tillering stage		Daily monitoring of the field should be done and assess changes in plant health, pest status and crop damage	
TRC/WRC paddy		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	
Groundnut		Vegetative stage		Spray neem oil @5ml/lt water alongwith suitable surfactant like soap powder @ 1g/lt or NSKE 5% as it acts as oviposition deterrent	
Naga king chilli		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.	
Cucurbitaceous vegetable		Vegetative stage		Daily scouting should be done for pest and disease	
Soybean		Germination stage	Stem borers	Timely weed control should be done	
Poultry		On very sunny and humid days provide electrolytes to replenish their lost nutrients			
Piggery		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			
Fishery		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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Date: 26.07.19	District: Phek	Bulletin No: 59/2019
Weather of preceding week		Weather forecast valid upto 31.07.2019
<ul style="list-style-type: none"> <li>Moderate rain occurred the past week</li> <li>Max and min temperatures ranged 27<sup>0</sup>C to 28<sup>0</sup>C and 18<sup>0</sup>C to 19<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 65% to 97%.</li> <li>Wind speed ranged from 3 to 4kmph</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> 22<sup>0</sup>C to 23<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 69% to 97%.</li> <li><b>Wind speed</b> may reach upto 2-3 kmph</li> <li><b>Wind may blow mostly southeasterly direction</b></li> </ul>
		<b>Weekly cumulative Rainfall:</b> 60mm

**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>		



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Date: 26.07.19		District: Tuensang		Bulletin No: 59/2019	
Weather of preceding week			Weather forecast valid upto 31.07.2019		
<ul style="list-style-type: none"><li>▪ Moderate rain occurred the past week</li><li>▪ Max and min temperatures ranged 29<sup>0</sup>C to 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C respectively.</li><li>▪ Relative humidity varied from 72% to 95%.</li><li>▪ Wind speed ranged from 3 to 4kmph</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> 22<sup>0</sup>C to 23<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 73% to 94%.</li><li>▪ <b>Wind speed</b> may reach upto 2-3 kmph</li><li>▪ <b>Wind may blow from southeasterly direction</b></li></ul> <div>Weekly cumulative Rainfall: 70mm</div>		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	Inflorescence stage	Stem borer	Maintain weed free field to reduce stem borer infestation		
TRC /WRC paddy	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.		
Maize	Harvesting stage		Harvested ears should be dried in the sun before shelling.		
Cucurbitaceous vegetable	Vegetative stage		Daily scouting should be done for pest and disease		
Brinjal	Flowering/fruiting stage	Fruit and shoot borer	For Neem Seed Kernel Extract (NSKE), Always use freshly prepared extract		
King chilli	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.		
Colocasia	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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Date: 26.07.19	District: Wokha	Bulletin No: 59/2019
Weather of preceding week		Weather forecast valid upto 31.07.2019
<ul style="list-style-type: none"> <li>Moderate rain occurred the past week</li> <li>Max and min temperatures ranged 29<sup>0</sup>C to 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C respectively.</li> <li>Relative humidity varied from 74% to 94%.</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-29<sup>0</sup>C and <b>min temp</b> 22<sup>0</sup>C to 23<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 70% to 94%.</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> 40mm</li> </ul>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Booting stage		Daily monitoring should be done for pest and diseases and try to manage it during the initial stage.
<i>TRC/WRC paddy</i>	Tillering stage		Maintain the water level in the field upto 5cm from one week after transplanting until grain matures
<i>Soybean</i>	Germination stage		Spray of NSKE @ 5% for management of early stage larvae and sucking pest.
<i>Brinjal</i>	Fruiting stage	Borer and wilt	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	Bacterial wilt	Once the disease is noticed in the field 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%. Care should be taken to dispose the removed plants far from the cultivated area or destroyed by burning.
<i>Chilli</i>	Flowering to fruiting stage	Borer and aphid	Spray of 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>			Timely weeding and earthing up should be done to prevent soil based pupation.
<i>Poultry</i>	<ul style="list-style-type: none"> <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>	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		