



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

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Date: 21.06.19		District: Zunheboto		Bulletin No: 49/2019	
Weather of preceding week			Weather forecast valid upto 26.06.2019		
<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 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li><li>Relative humidity varied from 51% to 95%.</li><li>Wind speed ranged from 4 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 30<sup>0</sup>C- 31<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 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 4-5kmph</li><li><b>Wind may blow from south easterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 40mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
As there is probability of rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.					
Pits for fruit plantation should be ready by this month for planting (1x1x1) m3 pit size					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	Tillering stage	Blast	Maintain field sanitation and adopt clean cultivation		
TRC/WRC paddy	Nursery stage		If sowing has not been completed, seed treatment should be done at 2.0 g/kg seed with Captan or Carbendazim or Thiram to reduce blast.		
Maize	Harvesting stage		Depending on the purpose of the maize cultivation, maize crop can be harvested at other stages as well, for example - at late dough stage (about 5-6 week of after pollination) for green-cob purpose, and green fodder can be used for cattle feed		
Brinjal	Fruiting stage	Fruit and shoot borer	<ul style="list-style-type: none"><li>Clip off damaged shoots and early infested fruits at weekly interval. Need based foliar spray of NSKE (4%)</li><li>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</li></ul>		
Ginger			Field hygiene is more important to manage the pests and diseases. Avoid water stagnation, provide adequate drainage, remove weeds periodically		
Chilli	Vegetative stage	Leaf curl	Leaves become small in size, stunted, poor or no bearing of fruits. Uproot and burn infested plants		
Colocasia			Weeding and earthing up should be done within 45 to 60 days after planting. Small inefficient suckers from the mother plants have to be removed along with the second weeding		
Poultry	<ul style="list-style-type: none"><li>Protect the birds from rain.</li><li>Keep the litter material dry.</li><li>Provide clean and fresh water. All waterers should be cleaned daily</li><li>Antibiotics or other stress medications may be added to water if desired and all waterers should be cleaned daily</li></ul>				
Piggery	<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>				
Fishery	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.				



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Date: 21.06.19		District: Dimapur		Bulletin No: 49/2019	
Weather of preceding week			Weather forecast valid upto 26.06.2019		
<ul style="list-style-type: none"><li>▪ Light rain occurred the past week</li><li>▪ Max and min temperatures ranged 28<sup>0</sup>C to 33<sup>0</sup>C and 24<sup>0</sup>C to 25<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 46% to 85%.</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 31<sup>0</sup>C - 32<sup>0</sup>C and <b>min temp</b> 23<sup>0</sup>C to 25<sup>0</sup>C</li><li>▪ <b>Sky is likely to be partly cloudy</b> the coming week</li><li>▪ <b>Relative Humidity</b> is likely to range from 46% to 83%.</li><li>▪ <b>Wind speed</b> may reach upto 5-6kmph</li><li>▪ <b>Wind may blow from south easterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 25mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear					
Main crop		Growth Stage	Pest/Disease	Weather based Agro-Advisories	
TRC/WRC paddy		Nursery preparation		In the present weather start sowing of seeds in the nursery. Seed treatment should be done at 2.0 g/kg seed with Captan or Carbendazim or Thiram to reduce blast.	
Green gram		Podding/harvesting stage		Harvesting should be done during clear days	
Naga king chilli		Vegetative stage	Aphids	These are small green insects that suck the sap from tender leaves and flower buds. Remove all the virus affected plants and destroy	
Okra		Fruiting/harvesting stage	Shoot and fruit borer	Collect and destroy the affected fruit and stems As all the fruits do not mature at the same time, harvesting should be carried out once in 3-4 days. Frequent picking promotes fruit development and prevents the pods from growing too large	
Cucurbitaceous vegetable		Vegetative stage	Beetle	Eradicate the disease infected plants Hand collect the grubs and beetles from the foliage	
Soybean		Land preparation	-	Land should be prepared thoroughly by ploughing and harrowing to a fine tilth. Care should be taken to provide good drainage.	
Poultry		Double the watering space in poultry houses during summer. Daily provide plenty of fresh, clean and cool drinking water during hot weather			
Piggery		Rising temperatures result in animals being afflicted by fever, dehydration, decrease in body salts, loss of appetite and decrease in production. All efforts should be continued to protect the animals from the high temperature, the sun and the harsh, strong, hot and dry wind			
Fishery		If possible before stocking, fertilize the pond with animal compost or animal manure; the water will start to turn green in two to three days. Wait until the water becomes rich in natural fish food- the water will turn green and it will become less transparent. It will take about a week to become green enough			



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Date: 21.06.19	District: Kiphire	Bulletin No: 49/2019
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 26.06.2019</b>
<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 33<sup>0</sup>C and 24<sup>0</sup>C to 26<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 54% to 90%.</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 29<sup>0</sup>C-32<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 cloudy</b> the coming week</li> <li><b>Relative Humidity</b> is likely to range from 71% to 94%.</li> <li><b>Wind speed</b> may reach upto 3-4 kmph</li> <li><b>Wind may blow from southerly direction</b></li> </ul>
		<b>Weekly cumulative Rainfall:</b> 60 mm

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum tillering stage	Leaf folder Blast	<i>To prevent the development of both leaf folder and blast, remove grass weeds from in and around the paddy fields</i>
<i>TRC /WRC paddy</i>	Nursery preparation	Blast	<i>If sowing has not been completed, seed treatment should be done at 2.0 g/kg seed with Captan or Carbendazim or Thiram to reduce blast</i>
<i>Maize</i>	Flowering/maturity stage	Bird	<i>Proper drainage should be maintained Use bird scarer for the control of birds</i>
<i>Rajmash</i>	Podding/harvesting stage		<i>In the present weather, as rainfall is occurring daily harvesting should be done during clear skies</i>
<i>Cucurbitaceous vegetable</i>	Vegetative	Beetle	<i>Eradicate the disease infected plants Hand collect the grubs and beetles from the foliage</i>
<i>Brinjal</i>	Vegetative	Fruit and shoot borer	<i>Clip off the damaged shoots and early infested fruits at weekly interval. Need based foliar spray of NSKE (4%)</i>
<i>King chilli</i>	Flowering / fruiting stage	Aphids	<i>These are small green insects that suck the sap from tender leaves and flower buds. Remove all the virus affected plants and destroy</i>
<i>Colocasia</i>	Germination stage		<i>Weeding and earthing up should be done within 45 to 60 days after planting. Small inefficient suckers from the mother plants have to be removed along with the second weeding.</i>
Poultry	Daily provide plenty of fresh, clean and cool drinking water during hot weather		
Piggery	Rising temperatures result in animals being afflicted by fever, dehydration, decrease in body salts, loss of appetite and decrease in production. All efforts should be continued to protect the animals from the high temperature, the sun and the harsh, strong, hot and dry afternoon wind		
Fishery	If possible before stocking, fertilize the pond with animal compost or animal manure; the water will start to turn green in two to three days. Wait until the water becomes rich in natural fish food- the water will turn green and it will become less transparent. It will take about a week to become green enough		



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Date: 21.06.19	District: Kohima	Bulletin No: 49/2019
Weather of preceding week		Weather forecast valid upto 26.06.2019
<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 18<sup>0</sup>C to 19<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 56% to 94%.</li> <li>Wind speed ranged from 3 to 5kmph</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 - 28<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 77% to 94%.</li> <li><b>Wind speed</b> may reach upto 4-6 kmph</li> <li><b>Wind may blow from southeasterly direction</b></li> <li><b>Weekly cumulative Rainfall:</b> 55 mm</li> </ul>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear.

Main crop	Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Booting to inflorescence stage		Clean cultivation practices should be carried out
<i>TRC paddy</i>	Nursery/transplanting	Blast Yellow stem borer	If sowing has not been completed, seed treatment should be done at 2.0 g/kg seed with Captan or Carbendazim or Thiram to reduce blast. If transplanting is in process, clip off the tip of seedling so as to reduce carryover of egg from nursery to main field, as the egg of stem borers are laid near the tip of the leaves
<i>Maize</i>	Tasseling stage	Bird	Use bird scarer during flowering or maturity. Due to continuous rain, the plant may lodge. To save the crop, provide proper drainage in the field and timely earthing up should be done
<i>Cucurbitaceous vegetable</i>	Vegetative stage	Fusarium wilt	Remove and destroy the infected plants and plant debris. Avoid water stagnation and maintain proper drainage
<i>Chayote</i>	Flowering stage		Put a trellis or stake support in place
<i>Potato</i>	Land preparation		In the present season, select soil which are well drained sandy loam and medium loam soils, rich in humus
<i>Ginger</i>	Vegetative stage		In the present weather proper drainage channels should be provided. Earthing up should be done immediately after weeding
<i>Poultry</i>	<ul style="list-style-type: none"> <li>Protect the birds from rain.</li> <li>Keep the litter material dry</li> <li>Store animal feeds in clean and dry place to avoid fungus growth in feed</li> </ul>		
<i>Piggery</i>	Vaccination against Foot and Mouth disease in pig should be done. Prior to vaccination, deworm all your animals with appropriate anti-helmentic drugs one week before vaccinating your animals		
<i>Fishery</i>	Fertilize the water in your new pond with animal, plant manure, compost whichever is available before stocking the pond with fish. Water will start to turn green; it will take about a week to become green enough.		



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Date: 21.06.19		District: Longleng		Bulletin No: 49/2019	
Weather of preceding week			Weather forecast valid upto 26.06.2019		
<ul style="list-style-type: none"><li>Moderate rain occurred the past week</li><li>Max and min temperatures ranged 31<sup>0</sup>C to 32<sup>0</sup>C and 22<sup>0</sup>C to 25<sup>0</sup>C, respectively.</li><li>Relative humidity varied from 50% to 95%.</li><li>Wind speed ranged from 4 to 5 kmph</li></ul>			<ul style="list-style-type: none"><li>Probability of moderaterain</li><li><b>Max temp</b> is likely to be 29<sup>0</sup>C-32<sup>0</sup>C and <b>min temp</b>24<sup>0</sup>C to 26<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 70% to 93%.</li><li><b>Wind speed</b> may reach upto 4-5 kmph</li><li><b>Wind may blow from south easterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 35mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
As there is probability of rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.					
Pits for fruit plantation should be ready by this month for planting (1x1x1) m3 pit size					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	Tillering stage	Blast	Maintain field sanitation and adopt clean cultivation		
TRC/WRC paddy	Nursery preparation		In the present weather start sowing of seeds in the nursery		
Maize	Harvesting stage		Depending on the purpose of the maize cultivation, maize crop can be harvested at other stages as well, for example - at late dough stage (about 5-6 week of after pollination) for green-cob purpose, and green fodder can be used for cattle feed		
Brinjal	Fruiting stage	Fruit and shoot borer	<ul style="list-style-type: none"><li>Clip off damaged shoots and early infested fruits at weekly interval. Need based foliar spray of NSKE (4%)</li><li>Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</li></ul>		
Ginger			Field hygiene is more important to manage the pests and diseases. Avoid water stagnation, provide adequate drainage, remove weeds periodically		
Chilli	Vegetative stage	Leaf curl	Leaves become small in size, stunted, poor or no bearing of fruits. Uproot and burn infested plants		
Colocasia			Weeding and earthing up should be done within 45 to 60 days after planting. Small inefficient suckers from the mother plants have to be removed along with the second weeding		
Soybean	Land preparation	-	Land should be prepared thoroughly by ploughing and harrowing to a fine tilth. Care should be taken to provide drain or a gentle slope for good drainage.		
Poultry	<ul style="list-style-type: none"><li>Protect the birds from rain.</li><li>Keep the litter material dry.</li><li>Provide clean and fresh water. All waterers should be cleaned daily</li><li>Antibiotics or other stress medications may be added to water if desired and all waterers should be cleaned daily</li></ul>				
Piggery	<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>				
Fishery	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.				





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Date: 21.06.19		District: Mokokchung		Bulletin No: 49/2019	
Weather of preceding week			Weather forecast valid upto 26.06.2019		
<ul style="list-style-type: none"><li>▪ Light rain occurred the past week</li><li>▪ Max and min temperatures ranged 30<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 76% to 90%.</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 31<sup>0</sup>C-33<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 partly cloudy</b> the coming week</li><li>▪ <b>Relative Humidity</b> is likely to range from 74% to 94%.</li><li>▪ <b>Wind speed</b> may reach upto 4-5 kmph</li><li>▪ <b>Wind may blow from mostly south easterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 50mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
As there is probability of rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out. <i>Pits for fruit plantation should be ready by this month for planting (1x1x1) m3 pit size</i>					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	Tillering stage	Blast	Maintain field sanitation and adopt clean cultivation		
TRC/WRC paddy	Nursery stage		If sowing has not been completed, seed treatment should be done at 2.0 g/kg seed with Captan or Carbendazim or Thiram to reduce blast.		
Maize	Harvesting stage		Depending on the purpose of the maize cultivation, maize crop can be harvested at other stages as well, for example - at late dough stage (about 5-6 week of after pollination) for green-cob purpose, and green fodder can be used for cattle feed		
Brinjal	Fruiting stage	Fruit and shoot borer	<ul style="list-style-type: none"><li>• Clip off damaged shoots and early infested fruits at weekly interval. Need based foliar spray of NSKE (4%)</li><li>• Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</li></ul>		
Ginger			Field hygiene is more important to manage the pests and diseases. Avoid water stagnation, provide adequate drainage, remove weeds periodically		
Chilli	Vegetative stage	Leaf curl	Leaves become small in size, stunted, poor or no bearing of fruits. Uproot and burn infested plants		
Colocasia			Weeding and earthing up should be done within 45 to 60 days after planting. Small inefficient suckers from the mother plants have to be removed along with the second weeding		
Tapioca	For white flies spray neem oil 3%. Maintain proper sanitation. Timely remove infected/infested plant				
Poultry	<ul style="list-style-type: none"><li>• Protect the birds from rain.</li><li>• Keep the litter material dry.</li><li>• Provide clean and fresh water. All waterers should be cleaned daily</li><li>• Antibiotics or other stress medications may be added to water if desired and all waterers should be cleaned daily</li></ul>				
Piggery	<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>				
Fishery	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.				



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Date: 21.06.19		District: Mon	Bulletin No: 49/2019
Weather of preceding week		Weather forecast valid upto 26.06.2019	
<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 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li><li>Relative humidity varied from 55% to 90%.</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 31<sup>0</sup>C - 32<sup>0</sup>C and <b>min temp</b> 23<sup>0</sup>C to 24<sup>0</sup>C</li><li><b>Sky is likely to be partly cloudy</b> the coming week</li><li><b>Relative Humidity</b> is likely to range from 67% to 92%.</li><li><b>Wind speed</b> may reach upto 4-5 kmph</li><li><b>Wind may blow from south easterly direction</b></li></ul> <b>Weekly cumulative Rainfall:</b> 55mm	
Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear			
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Maximum tillering stage	Blast	Farmers are advised to daily monitor their field against pest and disease Scout fields for leaf blast symptoms, especially on susceptible varieties. If leaf blast is present, a preventative fungicide application should be considered
<i>TRC/WRC paddy</i>	Transplanting	Yellow stem borer	If transplanting is still in process, clip off the tip of seedling so as to reduce carryover of egg from nursery to main field, as the egg of stem borers are laid near the tip of the leaves
<i>Maize</i>	Harvesting stage		Depending on the purpose of the maize cultivation, maize crop can be harvested at other stages as well, for example - at late dough stage (about 5-6 week of after pollination) for green-cob purpose, and green fodder can be used for cattle feed
<i>Colocasia</i>	Vegetative stage		Timely weeding should be done followed by earthing up
<i>Cucurbitaceous vegetable</i>	Vegetative stage	Fusarium wilt	Remove and destroy the infected plants and plant debris. Avoid water stagnation and maintain proper drainage.
<i>Soybean</i>	Sowing stage		Seeds should be treated with rhizobium culture before planting. Water logging is injurious to the crop so provide proper drainage in the field
<i>Banana</i>	<ul style="list-style-type: none"><li>✓ Deep ploughing is to be done on bright sunny days during this month. The field should be kept exposed to sun light at least for 2-3 weeks</li><li>✓ Disease free saplings should be planted in the field. Care should be taken to ensure proper source of the saplings.</li></ul>		
<i>Poultry</i>	<ul style="list-style-type: none"><li>• Protect the birds from rain.</li><li>• Keep the litter material dry.</li><li>• Give electrolyte in drinking water to birds of 1-6 weeks.</li></ul>		
<i>Piggery</i>	<ul style="list-style-type: none"><li>• Animals purchased for the farm should be from disease free herds.</li><li>• Newly purchased animals should be isolated from the other animals in the farm for a period of three to four weeks.</li><li>• No visitor should be allowed to visit the farm.</li></ul>		
<i>Fishery</i>	Renovation of old pond should be carried out and proper inspection of works of new pond construction should be done. During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.		







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Date: 21.06.19		District: Peren		Bulletin No: 49/2019	
Weather of preceding week			Weather forecast valid upto 26.06.2019		
<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 31<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 86% to 90%.</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 32<sup>0</sup>C - 34<sup>0</sup>C and <b>min temp</b>23<sup>0</sup>C to 24<sup>0</sup>C</li><li>▪ <b>Sky is likely to be partly cloudy</b> the coming week</li><li>▪ <b>Relative Humidity</b> is likely to range from 82% to 94%.</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> 50mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
<i>Jhum paddy</i>	Tillering stage	Blast	Daily scouting should be done in the field daily as blast causes more damage in upland rice. If leaf blast is present, a preventative fungicide application should be considered Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field. They act as a source for the infection		
<i>TRC/WRC paddy</i>	Nursery		Prepare the nursery by ploughing at least twice and harrow at least once. Level the soil surface and put in drainage lines across the field. Broadcast seed in the nursery evenly, over the water covered soil surface Seed treatment should be done and atleast 1 tonne of well dried FYM should be applied before sowing.		
<i>Green gram</i>	Podding/harvesting stage		Harvesting should be done during clear days		
<i>Naga king chilli</i>	Flowering stage	Aphids	These are small green insects that suck the sap from tender leaves and flower buds. Remove all the virus affected plants and destroy		
<i>Okra</i>	Fruiting/harvesting stage	Shoot and fruit borer	Collect and destroy the affected fruit and stems As all the fruits do not mature at the same time, harvesting should be carried out once in 3-4 days. Frequent picking promotes fruit development and prevents the pods from growing too large		
<i>Cucurbitaceous vegetable</i>	Vegetative stage	Beetle	Eradicate the disease infected plants Hand collect the grubs and beetles from the foliage		
<i>Soybean</i>	Land preparation	-	Land should be prepared thoroughly by ploughing and harrowing to a fine tilth. Care should be taken to provide good drainage.		
<i>Poultry</i>	Double the watering space in poultry houses during summer. Daily provide plenty of fresh, clean and cool drinking water during hot weather				
<i>Piggery</i>	Rising temperatures result in animals being afflicted by fever, dehydration, decrease in body salts, loss of appetite and decrease in production. All efforts should be continued to protect the animals from the high temperature, the sun and the harsh, strong, hot and dry wind				
<i>Fishery</i>	If possible before stocking, fertilize the pond with animal compost or animal manure; the water will start to turn green in two to three days. Wait until the water becomes rich in natural fish food- the water will turn green and it will become less transparent. It will take about a week to become green enough				





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Date: 21.06.19	District: Phek	Bulletin No: 49/2019
Weather of preceding week		Weather forecast valid upto 26.06.2019
<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 30<sup>0</sup>C and 18<sup>0</sup>C to 19<sup>0</sup>C, respectively.</li> <li>Relative humidity varied from 61% to 90%.</li> <li>Wind speed ranged from 2 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 - 28<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 67% to 95%.</li> <li><b>Wind speed</b> may reach upto 3-4 kmph</li> <li><b>Wind may blow mostly southeasterly direction</b></li> </ul>
		<b>Weekly cumulative Rainfall:</b> 60mm

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Due to variable weather, farmers are advised to do constant monitoring against attack of pest and disease in vegetable crop, if symptom is observed then take protection measures as per recommendation when sky remain clear

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Tillering stage	Blast	Daily scouting should be done in the field daily as blast causes more damage in upland rice. If leaf blast is present, a preventative fungicide application should be considered Destroy the infested residue, stubbles, grass and weeds present in the bunds of the field. They act as a source for the infection
<i>TRC paddy</i>	Nursery		Start Preparing the main field for transplanting. Flood the field 1 or 2 days before ploughing and allow water to soak in. Keep the surface of the field covered with water. Keep water to a depth of 2.5cm at the time of puddling
<i>Maize</i>	Tasseling stage	Bird	Use bird scarer during flowering or maturity. Due to continuous rain, the plant may lodge. To save the crop, provide proper drainage in the field and timely earthing up should be done
<i>Cucurbitaceous vegetable</i>	Flowering /fruiting stage	Fruit fly	Daily monitoring should be done. Collect damaged fruits regularly and destroy them in a deep hole or soak in water mixed with a chemical insecticide Cover young fruits with newspapers or waste clothes initially if cultivating a small area or in a kitchen garden. The fly will not go into the shaded area under the newspaper or cloth so this will prevent the fly laying eggs.
<i>Foxtail Millet</i>	Vegetative stage		In the present season, make sure that the field drains out quickly.
<i>Soybean</i>	Vegetative stage		The first 40 days is critical, keep plot weed free by one or two hoeing, two weedings upto 40 days.
<i>Ginger</i>	Vegetative stage		In the present weather proper drainage channels should be provided. Earthing up should be done immediately after weeding
<i>Poultry</i>	<ul style="list-style-type: none"> <li>Protect the birds from rain.</li> <li>Keep the litter material dry</li> <li>Store animal feeds in clean and dry place to avoid fungus growth in feed</li> </ul>		
<i>Piggery</i>	Vaccination against Foot and Mouth disease in pig should be done. Prior to vaccination, deworm all your animals with appropriate anti-helmentic drugs one week before vaccinating your animals		
<i>Fishery</i>	Fertilize the water in your new pond with animal, plant manure, compost whichever is available before stocking the pond with fish. Water will start to turn green; it will take about a week to become green enough.		



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Date: 21.06.19		District: Tuensang		Bulletin No: 49/2019	
Weather of preceding week			Weather forecast valid upto 26.06.2019		
<ul style="list-style-type: none"><li>▪ Moderate rain occurred the past week</li><li>▪ Max and min temperatures ranged 26<sup>0</sup>C to 27<sup>0</sup>C and 16<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li><li>▪ Relative humidity varied from 56% to 90%.</li><li>▪ Wind speed ranged from 1 to 2kmph</li></ul>			<ul style="list-style-type: none"><li>▪ Probability of moderate rain</li><li>▪ <b>Max temp</b> is likely to be 30<sup>0</sup>C-32<sup>0</sup>C and <b>min temp</b> 24<sup>0</sup>C to 26<sup>0</sup>C</li><li>▪ <b>Sky is likely to be partly 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 3-4 kmph</li><li>▪ <b>Wind may blow from southerly direction</b></li></ul> <div>Weekly cumulative Rainfall: 55mm</div>		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	Tillering	Leaf folder Blast	To prevent the development of both <b>leaf folder and blast</b> , remove grass weeds from in and around the paddy fields		
TRC /WRC paddy	Nursery preparation	Blast	If sowing has not been completed, seed treatment should be done at 2.0 g/kg seed with Captan or Carbendazim or Thiram to reduce blast		
Maize	Flowering/maturity stage	Bird	Proper drainage should be maintained Use bird scarer for the control of birds		
Rajmash	Podding stage	Leaf miner	In the present weather, as rainfall has occurred timely earthing up should be done. Timely roughing of infected plants should be done, handpick and destroy the mined leaves, whenever necessary spray the crop with neem products		
Cucurbitaceous vegetable	Vegetative	Beetle	Eradicate the disease infected plants Hand collect the grubs and beetles from the foliage		
Brinjal	Flowering / fruiting stage	Fruit and shoot borer	Clip off the damaged shoots and early infested fruits at weekly interval. Need based foliar spray of NSKE (4%)		
King chilli	Vegetative to flowering stage	Aphids	These are small green insects that suck the sap from Tender leaves and flower buds. Remove all the virus affected plants and destroy		
Colocasia	Germination stage		Weeding and earthing up should be done within 45 to 60 days after planting. Small inefficient suckers from the mother plants have to be removed along with the second weeding.		
Poultry	Daily provide plenty of fresh, clean and cool drinking water during hot weather				
Piggery	Rising temperatures result in animals being afflicted by fever, dehydration, decrease in body salts, loss of appetite and decrease in production. All efforts should be continued to protect the animals from the high temperature, the sun and the harsh, strong, hot and dry afternoon wind				
Fishery	If possible before stocking, fertilize the pond with animal compost or animal manure; the water will start to turn green in two to three days. Wait until the water becomes rich in natural fish food- the water will turn green and it will become less transparent. It will take about a week to become green enough				



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Date: 21.06.19	District: Wokha	Bulletin No: 49/2019
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 26.06.2019</b>
<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 32<sup>0</sup>C and 20<sup>0</sup>C to 21<sup>0</sup>C respectively.</li> <li>▪ Relative humidity varied from 58% to 91%.</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 31<sup>0</sup>C-32<sup>0</sup>C and <b>min temp</b> 23<sup>0</sup>C to 25<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 4-6 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> </ul>
		<b>Weekly cumulative Rainfall:</b> 50mm

**WEATHER FORECAST BASED AGROMET ADVISORIES**

As there is probability of rain this week too, proper drainage should be maintained in the field and proper weeding and earthing up should be carried out.

*Pits for fruit plantation should be ready by this month for planting (1x1x1) m<sup>3</sup> pit size*

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<b>Jhum paddy</b>	Tillering stage	Blast	Maintain field sanitation and adopt clean cultivation
<b>TRC/WRC paddy</b>	Nursery land preparation		In the present weather start sowing of seeds in the nursery
<b>Maize</b>	Harvesting stage		Depending on the purpose of the maize cultivation, maize crop can be harvested at other stages as well, for example - at late dough stage (about 5-6 week of after pollination) for green-cob purpose, and green fodder can be used for cattle feed
<b>Brinjal</b>	Fruiting stage	Fruit and shoot borer	<ul style="list-style-type: none"> <li>• Clip off damaged shoots and early infested fruits at weekly interval. Need based foliar spray of NSKE (4%)</li> <li>• Frequent shallow cultivation should be done at regular intervals so as to keep the field free from weeds and to facilitate soil aeration and proper root development.</li> </ul>
<b>Ginger</b>			Field hygiene is more important to manage the pests and diseases. Avoid water stagnation, provide adequate drainage, remove weeds periodically
<b>Chilli</b>	Vegetative stage	Leaf curl	Leaves become small in size, stunted, poor or no bearing of fruits. Uproot and burn infested plants
<b>Colocasia</b>			Weeding and earthing up should be done within 45 to 60 days after planting. Small inefficient suckers from the mother plants have to be removed along with the second weeding
<b>Poultry</b>	<ul style="list-style-type: none"> <li>• Protect the birds from rain.</li> <li>• Keep the litter material dry.</li> <li>• Provide clean and fresh water. All waterers should be cleaned daily</li> <li>• Antibiotics or other stress medications may be added to water if desired and all waterers should be cleaned daily</li> </ul>		
<b>Piggery</b>	<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>		
<b>Fishery</b>	During extremely hot weather, check your pond regularly at sunrise for signs of stressed fish.		