



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



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<b>Date: 19.03.19</b>	<b>District: Mokokchung</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>	<b>Weather forecast valid upto 24.03.2019</b>	
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 25<sup>0</sup>C to 30<sup>0</sup>C and 16<sup>0</sup>C to 18<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 27% to 90%.</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 27<sup>0</sup>C-29<sup>0</sup>C and <b>min temp</b> 15<sup>0</sup>C to 17<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 30% to 77%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> <li>▪ <b>Weekly cumulative Rainfall:</b> 20 mm</li> </ul>	

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Recommendations:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	<i>To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection</i>
<b>Potato</b>	Vegetative stage	Early blight, leaf spot	<i>Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds</i>
<i>Maize</i>	Land preparation	White grubs	<i>Deep ploughing should be done to expose the resting stages of pest. Collect and destroy the white grubs</i>
<i>Brinjal</i>	Nursery		<i>Prepare the nursery bed, the soil should be fine and seeds should be sown thinly in rows 10cm apart and 0.5cm deep. Mulch with dry straw or grass whenever it is necessary.</i>
<i>Summer crops</i>			<i>Farmers are advised to go for sowing of summer vegetables like ladies finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd, spine gourd etc. and certified seeds should be use to produce good yield.</i>
<i>Citrus</i>	Propagation	-	<i>Propagation through cuttings or seeds should be started before the onset of hot weather for citrus. For young trees to encourage good growth, a weed free area should be maintained atleast 4 feet diameter around the young trees.</i>
<i>Poultry</i>		Ranikhet disease	<i>Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose</i>
<i>Piggery</i>		Swine fever	<i>Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.</i>
<i>Fishery</i>			<i>Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)</i>





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<b>Date: 19.03.19</b>	<b>District: Mon</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 27<sup>0</sup>C to 30<sup>0</sup>C and 15<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 33% to 89%.</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 27<sup>0</sup>C - 28<sup>0</sup>C and <b>min temp</b> 14<sup>0</sup>C to 15<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 35% to 89%.</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: 22mm</b></p>

**General Recommendations:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

**WEATHER FORECAST BASED AGROMET ADVISORIES**

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection
<i>TRC/WRC paddy</i>	Storage		Inspect the stored seeds once a week for signs of insect infestation. Place sticky traps in the drying and storage areas for rats
<i>Potato</i>	Vegetative stage	Early blight, leaf spot	Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds
<i>Maize</i>	Land preparation	White grubs	Deep ploughing should be done to expose the resting stages of pest. Collect and destroy the white grubs
<i>Cucurbitaceous vegetable</i>	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination
<i>Citrus</i>		Leaf miner	Citrus leafminer moths are attracted to the new flush of citrus trees. Avoid pruning live branches more than once a year, so that the cycles of flushing are uniform and short. Once the leaves harden, the pest will not be able to mine the leaves. Do not prune off leaves damaged by citrus leaf miner since undamaged areas of leaves continue to produce food for the tree.
<i>Poultry</i>		Ranikhet disease	Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose Chickens showing flu like symptoms should be treated with antibiotic Vendox, N-dox powder. For prevention it should be given for three days and for treatment give for 5 to 7 days.
<i>Piggery</i>		Swine fever	Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.
<i>Fishery</i>			Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)





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Date: 19.03.19		District: Peren		Bulletin No: 23/2019	
Weather of preceding week			Weather forecast valid upto 24.03.2019		
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 29<sup>0</sup>C to 32<sup>0</sup>C and 15<sup>0</sup>C to 19<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 23% to 90%.</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 27<sup>0</sup>C - 28<sup>0</sup>C and <b>min temp</b> 14<sup>0</sup>C to 17<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 29% to 82%.</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><b>Weekly cumulative Rainfall:</b> 20 mm</p>		
<p><b>General Advisories:</b> Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility</p>					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
TRC/WRC paddy	Storage		Keep storage areas, crevices, wooden pallets etc clean by spraying with the recommended insecticide to disinfect insect breeding places. Place sticky traps in the drying and storage areas for rats		
Green gram	Site selection/field preparation		For timely sowing of the seeds, site selection and field preparation should be started		
Naga king chilli	Nursery preparation	Damping off	Before sowing of seeds, seed treatment should be done with Thiram @2gm/litre of water. Avoid over watering and close spacing to avoid damping off		
Assam Lemon			Propagation through cuttings or seeds should be started before the onset of hot weather for citrus.		
Okra	Sowing	Hoppers and white flies	While germinating, install yellow sticky trap for monitoring white flies and hoppers		
Cucurbitaceous vegetable	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination		
Poultry	Vaccination of chicks against Ranikhet disease on 5 days old or 5 – 7 days once, one drop in the eyes or nose During transportation of chicks, provide electrolytes and vitamin C and vitamin E rich syrup in drinking water.				
Piggery	Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.				
Fishery	Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)				



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<b>Date: 19.03.19</b>	<b>District: Phek</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>	<b>Weather forecast valid upto 24.03.2019</b>	
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 27<sup>0</sup>C to 31<sup>0</sup>C and 15<sup>0</sup>C to 18<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 24% to 80%.</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 25<sup>0</sup>C - 27<sup>0</sup>C and <b>min temp</b> 12<sup>0</sup>C to 13<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 27% to 75%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-4 kmph</li> <li>▪ <b>Wind may blow most southerly direction</b></li> </ul> <p style="margin-left: 20px;"><b>Weekly cumulative Rainfall:</b> 19 mm</p>	

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Advisories:** Short duration pulse crops and green manuring crops like dhaincha, sunhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
TRC/WRC paddy	Storage		Place sticky traps in the drying and storage areas for rats
Potato	Vegetative stage	Early blight, leaf spot	Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds
Maize	Land preparation	White grubs	Deep ploughing should be done to expose the resting stages of pest. Collect and destroy the white grubs
Cucurbitaceous vegetable	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination
Khasi mandarin			Prepare basin around the plants followed by mulching with local grasses.
Summer crops			Farmers are advised to go for sowing of summer vegetables like ladies finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd, spine gourd etc. and certified seeds should be use to produce good yield.
Poultry	Vaccination of chicks against Ranikhet disease on 5 days old or 5 – 7 days once, one drop in the eyes or nose Chickens showing flu like symptoms should be treated with antibiotic Vendox, N-dox powder. For prevention it should be given for three days and for treatment give for 5 to 7 days.		
Piggery	Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.		
Fishery	Renovate the ponds. Strengthen embankments In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)		



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<b>Date: 19.03.19</b>	<b>District: Tuensang</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 24<sup>0</sup>C to 30<sup>0</sup>C and 14<sup>0</sup>C to 17<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 28% to 80%.</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 23<sup>0</sup>C-25<sup>0</sup>C and <b>min temp</b> 10<sup>0</sup>C to 15<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 27% to 79%.</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 style="margin-left: 20px;"><b>Weekly cumulative Rainfall:</b> 5 mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Recommendations:** In the present weather, start sowing of summer crops

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	<i>To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection</i>
<i>TRC/WRC paddy</i>	Storage		<i>Storage rooms should be physically rodent and bird proof, if possible, place sticky traps in the drying and storage areas for rats.</i>
<i>Potato</i>	Vegetative stage	Early blight, leaf spot	<i>Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds</i>
<i>Rajmash</i>	Vegetative stage		<i>In the present weather, Gap filling should be carried out</i>
<i>Cucurbitaceous vegetable</i>	Germination	Fruit fly	<i>Apply neem cake @ 250kg/ha immediately after germination</i>
<i>Khasi Mandarin</i>	Post harvesting stage		<i>In the present weather, water sprout, diseases and dried/dead twigs of mandarin should be removed after harvesting and cut end pasted with Bordeaux paste</i>
Poultry	Artificial heating through lighting of electric bulb at poultry house during night time may protect the birds from fall of night temperature and reduce the incidence of mortality Chickens showing flu like symptoms should be treated with antibiotic Vendox, N-dox powder. For prevention it should be given for three days and for treatment give for 5 to 7 days		
Piggery	Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.		
Fishery	Harvest the fish in pond having less water depth It is advisable to renovate ponds by removing the bottom mud and allow to dry.		



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<b>Date: 19.03.19</b>	<b>District: Wokha</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 21<sup>0</sup>C to 23<sup>0</sup>C and 10<sup>0</sup>C to 11<sup>0</sup>C respectively.</li> <li>▪ Relative humidity varied from 40% to 80%.</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 27<sup>0</sup>C-28<sup>0</sup>C and <b>min temp</b> 14<sup>0</sup>C to 15<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 32% to 84%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from easterly direction</b></li> </ul> <p><b>Weekly cumulative Rainfall:</b> 14 mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Recommendations:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	<i>To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection</i>
<b>Potato</b>	Vegetative stage	Early blight, leaf spot	<i>Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields. Fields should be kept neat and clean, free from weeds</i>
<i>Maize</i>	Land preparation	-	<i>Early sowing of <b>maize</b> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.</i>
<i>Brinjal</i>	Nursery		<i>Prepare the nursery bed, the soil should be fine and seeds should be sown thinly in rows 10cm apart and 0.5cm deep. Mulch with dry straw or grass whenever it is necessary.</i>
<i>Summer crops</i>			<i>Farmers are advised to go for sowing of summer vegetables like ladies finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd, spine gourd etc. and certified seeds should be use to produce good yield.</i>
<i>Citrus</i>	Propagation	-	<i>Propagation through cuttings or seeds should be started before the onset of hot weather for citrus. For young trees to encourage good growth, a weed free area should be maintained atleast 4 feet diameter around the young trees.</i>
<i>Poultry</i>		Ranikhet disease	<i>Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose</i>
<i>Piggery</i>		Swine fever	<i>Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.</i>
<i>Fishery</i>			<i>Renovate the ponds. Strengthen embankments</i>

			In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)
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<b>Date: 19.03.19</b>	<b>District: Zunheboto</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 21<sup>0</sup>C to 23<sup>0</sup>C and 9<sup>0</sup>C to 12<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 30% to 86%.</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 27<sup>0</sup>C- 28<sup>0</sup>C and <b>min temp</b> 14<sup>0</sup>C to 15<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 49% to 74%.</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> <p><b>Weekly cumulative Rainfall:</b> 14 mm</p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Recommendations:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	<i>To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection</i>
<b>Potato</b>	Vegetative stage	Early blight, leaf spot	<i>Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds</i>
<i>Maize</i>	Land preparation	-	<i>Early sowing of <b>maize</b> in March-April escapes the attack of most pests and crop rotation should be carried out with other crops as it reduces the pest infestation by interrupting the continuity of the food chain. Use resistant varieties in consultation with your respective agri department.</i>
<i>Brinjal</i>	Nursery		<i>Prepare the nursery bed, the soil should be fine and seeds should be sown thinly in rows 10cm apart and 0.5cm deep. Mulch with dry straw or grass whenever it is necessary.</i>
<i>Summer crops</i>			<i>Farmers are advised to go for sowing of summer vegetables like ladies finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd, spine gourd etc. and certified seeds should be use to produce good yield.</i>
<i>Citrus</i>	Propagation	-	<i>Propagation through cuttings or seeds should be started before the onset of hot weather for citrus. For young trees to encourage good growth, a weed free area should be maintained atleast 4 feet diameter around the young trees.</i>
<i>Poultry</i>		Ranikhet disease	<i>Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose</i>
<i>Piggery</i>		Swine fever	<i>Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.</i>
<i>Fishery</i>			<i>Renovate the ponds. Strengthen embankments</i>

			In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)
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<b>Date: 15.03.19</b>		<b>District: Dimapur</b>		<b>Block: Dhansiripar</b>		<b>Bulletin No: 01/2019</b>	
<b>Weather of preceding week</b>				<b>Weather forecast valid upto 20.03.2019</b>			
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week (through rain gauge installed at farmers field)</li> </ul>				<ul style="list-style-type: none"> <li>▪ Probability of light rain</li> <li>▪ <b>Max temp</b> is likely to be 29<sup>o</sup>C - 34<sup>o</sup>C and <b>min temp</b> 14<sup>o</sup>C to 18<sup>o</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 25% to 83%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-5 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> <li>▪ <b>Weekly cumulative Rainfall:</b> 3mm</li> </ul>			
<b>WEATHER FORECAST BASED AGROMET ADVISORIES</b>							
<p><b>General Advisories:</b> Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility</p>							
<b>Main crop</b>	<b>Growth Stage</b>	<b>Pest/Disease</b>	<b>Weather based Agro-Advisories</b>				
<i>Maize</i>	Land preparation		Land preparation should be started, and try to complete sowing of maize by first week of April				
<i>Cucurbitaceous vegetable</i> Pointed gourd, bitter gourd	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination Use resistant varieties				
<i>Okra</i>	Sowing	Hoppers and white flies	While germinating, install yellow sticky trap for monitoring white flies and hoppers				
<i>Assam Lemon</i>			Propagation through cuttings or seeds should be started before the onset of hot weather for citrus.				
<i>Brinjal</i>	Nursery	Fruit and shoot borer and Damping off	Practice clean cultivation To reduce damping off, seed should be treated by Thiram @2g/kg of seeds before sowing. Continuous raising of nursery in the same plot should be avoided.				
<b>Poultry</b>	Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose During transportation of chicks, provide electrolytes and vitamin C and vitamin E rich syrup in drinking water.						
<b>Piggery</b>	Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.						
<b>Fishery</b>	Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)						



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<b>Date: 19.03.19</b>	<b>District: Dimapur</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 29<sup>0</sup>C to 31<sup>0</sup>C and 17<sup>0</sup>C to 19<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 27% to 80%.</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 - 32<sup>0</sup>C and <b>min temp</b> 17<sup>0</sup>C to 19<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 25% to 81%.</li> <li>▪ <b>Wind speed</b> may reach upto 4-6 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> <li>▪ <b>Weekly cumulative Rainfall:</b> 5mm</li> </ul>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Advisories:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<b>TRC/WRC paddy</b>	Storage		Keep storage areas, crevices, wooden pallets etc clean by spraying with the recommended insecticide to disinfect insect breeding places. Place sticky traps in the drying and storage areas for rats
<b>Green gram</b>	Site selection/field preparation		For timely sowing of the seeds, site selection and field preparation should be started
<b>Naga king chilli</b>	Nursery preparation	Damping off	Before sowing of seeds, seed treatment should be done with Thiram @2gm/litre of water. Avoid over watering and close spacing to avoid damping off
<b>Assam Lemon</b>			Propagation through cuttings or seeds should be started before the onset of hot weather for citrus.
<b>Okra</b>	Sowing	Hoppers and white flies	While germinating, install yellow sticky trap for monitoring white flies and hoppers
<b>Cucurbitaceous vegetable</b>	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination
<b>Poultry</b>	Vaccination of chicks against Ranikhet disease on 5 days old or 5 – 7 days once, one drop in the eyes or nose During transportation of chicks, provide electrolytes and vitamin C and vitamin E rich syrup in drinking water.		
<b>Piggery</b>	Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.		
<b>Fishery</b>	Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)		



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<b>Date: 19.03.19</b>	<b>District: Kiphire</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 25<sup>0</sup>C to 30<sup>0</sup>C and 15<sup>0</sup>C to 18<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 24% to 73%.</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> 15<sup>0</sup>C to 17<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 24% to 80%.</li> <li>▪ <b>Wind speed</b> may reach upto 3-4 kmph</li> <li>▪ <b>Wind may blow from southerly direction</b></li> </ul> <p style="background-color: #ffffcc; padding: 2px;"><b>Weekly cumulative Rainfall: 9 mm</b></p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Recommendations:** In the present weather, start sowing of summer crops

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	<i>To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection</i>
<i>Potato</i>	Harvesting stage		<i>Regular monitoring of pest and disease is advised Crop rotation should be carried out to reduce soil borne pests and diseases</i>
<i>Rajmash</i>	Vegetative stage		<i>In the present weather, Gap filling should be carried out</i>
<i>Cucurbitaceous vegetable</i>	Germination	Fruit fly	<i>Apply neem cake @ 250kg/ha immediately after germination</i>
<i>Brinjal</i>	Nursery	Damping off	<i>To manage damping off, drench the beds with bavistin@15-20 gm/litres of water</i>
<i>King chilli</i>	Nursery	Damping off	<i>In the present weather, watering should be postponed as there is probability of light rain the coming days too. For damping off, drenching should be done with Thiram@2gm/litre of water at 10 – 15 days interval Start preparation of the main field, use well rotten FYM or vermin compost</i>
Poultry	For day old chicks provide cool water and electrolytes on their arrival to farm before offering feed to avoid dehydration after transportation Supply of plenty of clean and cool water must be ensured during summer months. Provide Electral Energy (1-2 gm/liter) in water during hot hours		
Piggery	As temperature and humidity rises, pay extra attention to the movement of animals. Provide adequate water Prevent overcrowding		
Fishery	Harvest the fish in pond having less water depth It is advisable to renovate ponds by removing the bottom mud and allow to dry.		



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<b>Date: 19.03.19</b>	<b>District: Kohima</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 29<sup>0</sup>C to 32<sup>0</sup>C and 15<sup>0</sup>C to 18<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 24% to 82%.</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 25<sup>0</sup>C - 27<sup>0</sup>C and <b>min temp</b> 12<sup>0</sup>C to 13<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 29% to 84%.</li> <li>▪ <b>Wind speed</b> may reach upto 2-4 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> <li>▪ <b>Weekly cumulative Rainfall:</b> 10 mm</li> </ul>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Advisories:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
TRC/WRC paddy	Storage		Place sticky traps in the drying and storage areas for rats
Potato	Vegetative stage	Early blight, leaf spot	Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds
Maize	Land preparation	White grubs	Deep ploughing should be done to expose the resting stages of pest. Collect and destroy the white grubs
Cucurbitaceous vegetable	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination
Khasi mandarin			Prepare basin around the plants followed by mulching with local grasses.
Summer crops			Farmers are advised to go for sowing of summer vegetables like ladies finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd, spine gourd etc. and certified seeds should be use to produce good yield.
Poultry	Vaccination of chicks against Ranikhet disease on 5 days old or 5 – 7 days once, one drop in the eyes or nose Chickens showing flu like symptoms should be treated with antibiotic Vendox, N-dox powder. For prevention it should be given for three days and for treatment give for 5 to 7 days.		
Piggery	Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.		
Fishery	Renovate the ponds. Strengthen embankments In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)		



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<b>Date: 19.03.19</b>	<b>District: Longleng</b>	<b>Bulletin No: 23/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 24.03.2019</b>
<ul style="list-style-type: none"> <li>▪ Light rain occurred the past week</li> <li>▪ Max and min temperatures ranged 27<sup>0</sup>C to 31<sup>0</sup>C and 17<sup>0</sup>C to 20<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 32% to 81%.</li> <li>▪ Wind speed ranged from 2 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> 15<sup>0</sup>C to 16<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 41% to 79%.</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: 14mm</b></p>

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Recommendations:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Sowing	Blast	<i>To manage blast, use high quality, disease free seeds for sowing, Destroy the infested residue, stubbles, grass and weeds present around the field. They act as a source for the infection</i>
<b>Potato</b>	Vegetative stage	Early blight, leaf spot	<i>Regular monitoring of disease should be done. Avoid cultivation of solanaceous crops like tomato, brinjal, chillies etc. nearby potato fields Fields should be kept neat and clean, free from weeds</i>
<i>Maize</i>	Land preparation	White grubs	<i>Deep ploughing should be done to expose the resting stages of pest. Collect and destroy the white grubs</i>
<i>Brinjal</i>	Nursery		<i>Prepare the nursery bed, the soil should be fine and seeds should be sown thinly in rows 10cm apart and 0.5cm deep. Mulch with dry straw or grass whenever it is necessary.</i>
<i>Summer crops</i>			<i>Farmers are advised to go for sowing of summer vegetables like ladies finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd, spine gourd etc. and certified seeds should be use to produce good yield.</i>
<i>Citrus</i>	Propagation	-	<i>Propagation through cuttings or seeds should be started before the onset of hot weather for citrus. For young trees to encourage good growth, a weed free area should be maintained atleast 4 feet diameter around the young trees.</i>
<i>Poultry</i>		Ranikhet disease	<i>Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose</i>
<i>Piggery</i>		Swine fever	<i>Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.</i>
<i>Fishery</i>			<i>Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)</i>





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<b>Date: 15.03.19</b>	<b>District: Dimapur</b>	<b>Block: Medziphema</b>	<b>Bulletin No: 01/2019</b>
<b>Weather of preceding week</b>		<b>Weather forecast valid upto 20.03.2019</b>	
<ul style="list-style-type: none"> <li>▪ No rain occurred the past week</li> <li>▪ Max and min temperatures ranged 26<sup>0</sup>C to 32<sup>0</sup>C and 11<sup>0</sup>C to 16<sup>0</sup>C, respectively.</li> <li>▪ Relative humidity varied from 30% to 94%.</li> <li>▪ Wind speed ranged from 1 to 2 kmph</li> </ul>		<ul style="list-style-type: none"> <li>▪ Probability of light rain</li> <li>▪ <b>Max temp</b> is likely to be 27<sup>0</sup>C - 31<sup>0</sup>C and <b>min temp</b> 14<sup>0</sup>C to 17<sup>0</sup>C</li> <li>▪ <b>Sky is likely to be mainly clear</b> the coming week</li> <li>▪ <b>Relative Humidity</b> is likely to range from 25% to 72%.</li> <li>▪ <b>Wind speed</b> may reach upto 4-7 kmph</li> <li>▪ <b>Wind may blow from south easterly direction</b></li> </ul>	
		<b>Weekly cumulative Rainfall:</b>	

**WEATHER FORECAST BASED AGROMET ADVISORIES**

**General Advisories:** Short duration pulse crops and green manuring crops like dhaincha, sunnhemp etc should be planted as pre-kharif crop in fallow paddy lowland/ Terrace Rice field to enhance the soil fertility

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Maize</i>	Sowing		Start sowing of maize seeds to escape the attack of most of the diseases
<i>Green gram</i>	Site selection/field preparation		For timely sowing of the seeds, site selection and field preparation should be started
<i>Naga king chilli</i>	Nursery preparation	Damping off	Before sowing of seeds, seed treatment should be done with Thiram @2gm/litre of water. Avoid over watering and close spacing to avoid damping off
<i>Assam Lemon</i>			Propagation through cuttings or seeds should be started before the onset of hot weather for citrus.
<i>Okra</i>	Sowing	Hoppers and white flies	While germinating, install yellow sticky trap for monitoring white flies and hoppers
<b>Cucurbitaceous vegetable</b>	Germination	Fruit fly	Apply neem cake @ 250kg/ha immediately after germination
<b>Poultry</b>	Vaccination of chicks against <b>Ranikhet disease</b> on 5 days old or 5 – 7 days once, one drop in the eyes or nose Chickens showing flu like symptoms should be treated with antibiotic Vendox, N-dox powder. For prevention it should be given for three days and for treatment give for 5 to 7 days.		
<b>Piggery</b>	Vaccinate all newly born piglets against <b>swine fever</b> at the age of 3 months followed by annual booster dose. Keep floor dry to avoid skin diseases.		
<b>Fishery</b>	Renovate the ponds. Strengthen embankments  In case of pond filled with water, check the depth of shallow (less than 2 ft. water level) - harvest the fish or transfer to another pond having sufficient water depth (atleast 3 ft.)		