



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

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



Date: 30.07.19		District: Peren		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">Moderate rain occurred the past weekMax and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively.Relative humidity varied from 70% to 90%.Wind speed ranged from 3 to 4 kmph			<ul style="list-style-type: none">Probability of heavy rainMax temp is likely to be 27⁰C - 28⁰C and min temp 20⁰C to 21⁰CSky is likely to be cloudy the coming weekRelative Humidity is likely to range from 69% to 99%.Wind speed may reach upto 3-5 kmphWind may blow from mostly southeasterly direction Weekly cumulative Rainfall: 186mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
Main crop		Growth Stage	Pest/Disease	Weather based Agro-Advisories	
Jhum paddy		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	
TRC/WRC paddy		Transplanted		Field should be scouted daily for early detection of dead hearts and white ear.	
Groundnut		Vegetative stage	Hairy caterpillar	Setup the light traps to attract and kill the moths Cowpea as trap crop Collect and destroy egg mass and just emerged larva. Spray neem oil @5 ml l-1water along with suitable surfact like nirma powder 1g l-1 or NSKE 5%.	
Naga king chilli		Fruiting stage	White flies	For white flies, use Yellow sticky traps coated with grease and sticky oils as it attract the flies. Spray NSKE – 4% (Neem seed kernel extract) – 4 kg Neem seed kernel in 100 liters of water	
Cucurbitaceous vegetable		Vegetative stage	Powdery mildew	Destroy wild cucurbit plant and crop residues as it will reduce the incidence of powdery mildew	
Soybean		Vegetative stage		Soybean is very sensitive to excess moisture and the crop is affected, water stagnation should be completely avoided	
Colocasia		Vegetative stage		Proper drainage should be done to avoid water logging. Present weather is favourable for the development of leaf blight	
Poultry		Cages and houses should be kept clean with droppings removed every week. Do not allow wet muddy areas to develop around water containers or anywhere el			
Piggery		During this season, try to keep the shelter waterproof and well ventilated as they do not sweat and can suffer greatly in extreme heat			
Fishery		Fertilization and manuring should be avoided when there is acute water scarcity.			



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Date: 30.07.19		District: Phek		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">Moderate rain occurred the past weekMax and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively.Relative humidity varied from 65% to 97%.Wind speed ranged from 3 to 4kmph			<ul style="list-style-type: none">Probability of moderate to heavy rainMax temp is likely to be 25⁰C - 27⁰C and min temp 17⁰C to 18⁰CSky is likely to be cloudy the coming weekRelative Humidity is likely to range from 61% to 98%.Wind speed may reach upto 2-3 kmphWind may blow mostly southeasterly direction <div>Weekly cumulative Rainfall: 205mm</div>		
WEATHER FORECAST BASED AGROMET ADVISORIES					
As probability of rain the coming days too. Proper drainage should be maintained in the field to avoid water logging. Daily monitoring should be done for pest and disease management					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
Jhum paddy	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.		
TRC paddy	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.		
Maize	Harvesting stage		Maize ears should preferably be dried for 3-4 days after harvesting to improve grain recoveries and reduce breakage losses during shelling		
Cucurbitaceous vegetable	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		
Foxtail Millet	Vegetative stage		Timely remove and destroy the disease affected plants to avoid spread of the disease.		
Soybean	Vegetative stage	Semilooper	Leaves are with holes and severe damage results in skeletonization and defoliation		
Ginger	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.		
Poultry	<ul style="list-style-type: none">Trees should be planted near shed to provide shade as well as cool breeze.Prevent water logging near poultry sheds to prevent mosquito breeding.				
Piggery	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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.				



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Date: 30.07.19		District: Tuensang		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<div><div>▪ Moderate rain occurred the past week</div><div>▪ Max and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C respectively.</div><div>▪ Relative humidity varied from 73% to 90%.</div><div>▪ Wind speed ranged from 3 to 4kmph</div></div>			<div><div>▪ Probability of moderate to heavy rain</div><div>▪ Max temp is likely to be 23⁰C-24⁰C and min temp 17⁰C to 18⁰C</div><div>▪ Sky is likely to be cloudy the coming week</div><div>▪ Relative Humidity is likely to range from 72% to 99%.</div><div>▪ Wind speed may reach upto 2-3 kmph</div><div>▪ Wind may blow from mostly easterly direction</div><div>Weekly cumulative Rainfall: 208mm</div></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	<div><div>• 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,</div></div>				
Piggery	<div><div>• 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.</div></div>				
Fishery	<div><div>• 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.</div></div>				



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Date: 30.07.19	District: Wokha	Bulletin No: 60/2019
Weather of preceding week		Weather forecast valid upto 0.08.2019
<ul style="list-style-type: none"> Moderate rain occurred the past week Max and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C respectively. Relative humidity varied from 70% to 94%. Wind speed ranged from 4 to 6 kmph 		<ul style="list-style-type: none"> Probability of moderate to heavy rain Max temp is likely to be 27⁰C-29⁰C and min temp 20⁰C to 21⁰C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 62% to 98%. Wind speed may reach upto 4-5 kmph Wind may blow from mostly southeasterly direction
		Weekly cumulative Rainfall: 150mm

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"> Prevent water logging near poultry sheds to prevent mosquito breeding 		
<i>Piggery</i>	<ul style="list-style-type: none"> 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: 30.07.19		District: Zunheboto		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">Moderate rain occurred the past weekMax and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively.Relative humidity varied from 72% to 90%.Wind speed ranged from 2 to 3 kmph			<ul style="list-style-type: none">Probability of moderate to heavy rainMax temp is likely to be 29⁰C- 31⁰C and min temp 24⁰C to 25⁰CSky is likely to be cloudy the coming weekRelative Humidity is likely to range from 69% to 99%.Wind speed may reach upto 2-3 kmphWind may blow from south easterly direction Weekly cumulative Rainfall: 190mm		
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		Frequent weeding and hoeing should be done to keep the field weed free		
Poultry	<ul style="list-style-type: none">Prevent water logging near poultry sheds to prevent mosquito breeding				
Piggery	<ul style="list-style-type: none">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: 30.07.19		District: Dimapur		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">▪ Light rain occurred the past week▪ Max and min temperatures ranged 32⁰C to 35⁰C and 25⁰C to 26⁰C, respectively.▪ Relative humidity varied from 52% to 90%.▪ Wind speed ranged from 4 to 5 kmph			<ul style="list-style-type: none">▪ Probability of light rain▪ Max temp is likely to be 34⁰C - 35⁰C and min temp 25⁰C to 26⁰C▪ Sky is likely to be cloudy the coming week▪ Relative Humidity is likely to range from 50% to 95%.▪ Wind speed may reach upto 2-4 kmph▪ Wind may blow from southeasterly direction Weekly cumulative Rainfall: 12mm		
WEATHER FORECAST BASED AGROMET ADVISORIES					
If due to deficit of water, cultivation of paddy is not possible in all the plots then go for alternative crops like maize, oilseed crops, pulses in the remaining plot.					
Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories		
TRC/WRC paddy	Transplanted		Field should be scouted daily for early detection of dead hearts and white ear.		
Groundnut	Vegetative stage	Hairy caterpillar	Setup the light traps to attract and kill the moths Cowpea as trap crop Collect and destroy egg mass and just emerged larva. Spray neem oil @5 ml l-1water along with suitable surfact like nirma powder 1g l-1 or NSKE 5%.		
Naga king chilli	Fruiting stage	White flies	For white flies, use Yellow sticky traps coated with grease and sticky oils as it attract the flies. Spray NSKE – 4% (Neem seed kernel extract) – 4 kg Neem seed kernel in 100 liters of water		
Cucurbitaceous vegetable	Vegetative stage	Powdery mildew	Destroy wild cucurbit plant and crop residues as it will reduce the incidence of powdery mildew		
Soybean	Vegetative stage		Soybean is very sensitive to excess moisture and the crop is affected, water stagnation should be completely avoided		
Colocasia	Vegetative stage		Proper drainage should be done to avoid water logging. Present weather is favourable for the development of leaf blight		
Poultry	Cages and houses should be kept clean with droppings removed every week. Do not allow wet muddy areas to develop around water containers or anywhere el				
Piggery	During this season, try to keep the shelter waterproof and well ventilated as they do not sweat and can suffer greatly in extreme heat				
Fishery	Fertilization and manuring should be avoided when there is acute water scarcity.				



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Date: 30.07.19	District: Kiphire	Bulletin No: 60/2019
Weather of preceding week		Weather forecast valid upto 0.08.2019
<ul style="list-style-type: none"> Moderate rain occurred the past week Max and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively. Relative humidity varied from 66% to 94%. Wind speed ranged from 2 to 3 kmph 		<ul style="list-style-type: none"> Probability of heavy to very heavy rain Max temp is likely to be 30⁰C-35⁰C and min temp 23⁰C to 25⁰C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 67% to 98%. Wind speed may reach upto 2-3 kmph Wind may blow from mostly easterly direction
		Weekly cumulative Rainfall: 359 mm

WEATHER FORECAST BASED AGROMET ADVISORIES

Main crop	Growth Stage	Pest/Disease	Weather based Agro-Advisories
<i>Jhum paddy</i>	Inflorescence stage	Stem borer	Maintain weed free field to reduce stem borer infestation
<i>TRC /WRC paddy</i>	Tillering	Gall midge	Maggot feeds at the base of the growing shoot, causing formation of a tube like gall that is similar to “ onion leaf ” or “ Silver-shoot ”. Infested tillers produce no panicles. Set up light trap and monitor the adult flies.
<i>Maize</i>	Harvesting stage		Harvested ears should be dried in the sun before shelling.
<i>Cucurbitaceous vegetable</i>	Vegetative stage		Daily scouting should be done for pest and disease
<i>Brinjal</i>	Flowering/fruiting stage	Fruit and shoot borer	For Neem Seed Kernel Extract (NSKE), Always use freshly prepared extract
<i>King chilli</i>	Flowering / fruiting stage	Fruit borer	Spray Neem oil @ 5 ml/liter of water after fruit setting to avoid the larval stage of fruit borer and control the aphid population at Economic Threshold Level.
<i>Colocasia</i>	Vegetative stage	Leaf blight	Monitoring should be done for leaf blight. When weather is cloudy, rainfall coupled with moderate temperature & high humidity, the epidemics of diseases is favoured.
Poultry	<ul style="list-style-type: none"> 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, 		
Piggery	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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. 		



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Date: 30.07.19	District: Kohima	Bulletin No: 60/2019
Weather of preceding week		Weather forecast valid upto 0.08.2019
<ul style="list-style-type: none"> Moderate rain occurred the past week Max and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively. Relative humidity varied from 73% to 95%. Wind speed ranged from 4 to 6kmph 		<ul style="list-style-type: none"> Probability of moderate to heavy rain Max temp is likely to be 25⁰C - 26⁰C and min temp 17⁰C to 18⁰C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 62% to 98%. Wind speed may reach upto 2-4 kmph Wind may blow from mostly southeasterly direction Weekly cumulative Rainfall: 206mm

WEATHER FORECAST BASED AGROMET ADVISORIES

As probability of rain the coming days too. Proper drainage should be maintained in the field to avoid water logging. Daily monitoring should be done for pest and disease management

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"> Trees should be planted near shed to provide shade as well as cool breeze. Prevent water logging near poultry sheds to prevent mosquito breeding. 		
<i>Piggery</i>	<ul style="list-style-type: none"> 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>	<ul style="list-style-type: none"> 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. 		



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Date: 30.07.19		District: Longleng		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">Moderate rain occurred the past weekMax and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively.Relative humidity varied from 54% to 90%.Wind speed ranged from 3 to 4 kmph			<ul style="list-style-type: none">Probability of moderate rainMax temp is likely to be 29⁰C-34⁰C and min temp 24⁰C to 26⁰CSky is likely to be cloudy the coming weekRelative Humidity is likely to range from 57% to 98%.Wind speed may reach upto 3-4 kmphWind may blow from mostly south easterly direction Weekly cumulative Rainfall: 80mm		
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.		
Poultry	<ul style="list-style-type: none">Prevent water logging near poultry sheds to prevent mosquito breeding				
Piggery	<ul style="list-style-type: none">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: 30.07.19		District: Mokokchung		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">Moderate rain occurred the past weekMax and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively.Relative humidity varied from 68% to 95%.Wind speed ranged from 2 to 4 kmph			Probability of moderate to heavy rain Max temp is likely to be 29 ⁰ C-32 ⁰ C and min temp 24 ⁰ C to 26 ⁰ C Sky is likely to be cloudy the coming week Relative Humidity is likely to range from 64% to 99%. Wind speed may reach upto 3-4 kmph Wind may blow from mostly south easterly direction Weekly cumulative Rainfall: 185mm		
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>Tapioca</i>	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				
<i>Poultry</i>	<ul style="list-style-type: none">Prevent water logging near poultry sheds to prevent mosquito breeding				
<i>Piggery</i>	<ul style="list-style-type: none">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: 30.07.19		District: Mon		Bulletin No: 60/2019	
Weather of preceding week			Weather forecast valid upto 0.08.2019		
<ul style="list-style-type: none">▪ Moderate rain occurred the past week▪ Max and min temperatures ranged 28⁰C to 29⁰C and 22⁰C to 23⁰C, respectively.▪ Relative humidity varied from 64% to 85%.▪ Wind speed ranged from 2 to 5 kmph			<ul style="list-style-type: none">▪ Probability of moderate to heavy rain▪ Max temp is likely to be 29⁰C - 31⁰C and min temp 24⁰C to 26⁰C▪ Sky is likely to be cloudy the coming week▪ Relative Humidity is likely to range from 98% to 64%.▪ Wind speed may reach upto 3-4 kmph▪ Wind may blow from mostly south easterly direction Weekly cumulative Rainfall: 186mm		
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.			