

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

18th July, 2017

Senapati

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (14^{th} to 17^{th} July, 2017)

Observed partly cloudy to overcast sky and **1.1 mm** rainfall was recorded during past four days. Maximum temperature range of 29.6 to $31.6\,^{\circ}$ C and minimum temperature range of 23.5 to $23.8\,^{\circ}$ C with mean relative humidity 87.25 % max and 70.0 % min was recorded in the past four days.

Weather forecast for next five days of Senapati $(19^{th} to 23^{rd} July, 2017)$

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 31 - 35 $^{\circ}$ C & minimum temp. 24 – 25 $^{\circ}$ C. Relative humidity may reach up to 99 % (max RH) & 94 % (min RH). The average wind speed may be 2 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		 The seeds may be sown when water level goes down. Recommended rice var. RC Maniphou-7. Treat seed with Humicil @ 5ml/kg seed. Puddle the field and level properly. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



Manipur Centre, Lamphelpat, Imphal - 795 004





Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Sciences	t .	L.	
	nking water for hirds	and animals	

* Provide clean drinking water for birds and animals.	
- Apply Himax ointment twice daily on animal body to prevent bite of fly and mosquitoes.	

117	1	Discoss and Management	
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
	All age groups	Fowl Pox	Vaccinate against fowl pox.
Poultry		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
(Chicken/ Turkey/ Duck)		Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
Turkey/ Duck)			Bleaching powder may be spread near farm premises.Avoid fungal infested feed.
			- Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft ² area.
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.
	All age groups except the	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Pig		Vaccination	- Vaccinate against FMD.
1.8	young ones	Management	- Provide adequate amount of wholesome water (drinking).
			- Essential body salts may be provided.
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.
	excepts the	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100
Cattle	young ones		kg body weight.
Cattle		Slush & Flood Management	Provide wholesome water.
			Adequate arrangements for the animals to be kept at the safety place be made.
			Avoid grazing at the periphery of flood.
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.



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"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

18th July, 2017

Tamenglong

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

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Weather forecast for next five days of Tamenglong $(19^{th} to \ 23^{rd} \ July, 2017)$

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 35 $^{\circ}$ C & minimum temp. 24 – 25 $^{\circ}$ C. Relative humidity may reach up to 100 $^{\circ}$ (max RH) & 96 $^{\circ}$ (min RH). The average wind speed may be 2 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 - Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. - Land preparation of main field may be started for transplanting rice seedling. - Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		 The seeds may be sown when water level goes down. Recommended rice var. RC Maniphou-7. Treat seed with Humicil @ 5ml/kg seed. Puddle the field and level properly. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



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Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Sciences	'		<u>, , , , , , , , , , , , , , , , , , , </u>
	nking water for hirds	and animals	

* Provide clean drinking water for birds and animals.

	- Apply Himax ointment twice daily on animal body to prevent bite of fly and mosquitoes.					
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories			
	All age groups	Fowl Pox	Vaccinate against fowl pox.			
Poultry		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.			
(Chicken/ Turkey/ Duck)		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.			
Turney, Duck,			 Bleaching powder may be spread near farm premises. Avoid fungal infested feed. Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft² area. 			
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.			
Pig	All age groups except the young ones	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.			
		Vaccination	- Vaccinate against FMD.			
		Management	- Provide adequate amount of wholesome water (drinking).- Essential body salts may be provided.			
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.			
Cattle	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.			
		Slush & Flood Management	Provide wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood.			
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.			



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MANIPUR BULLETIN

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Thoubal

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Weather forecast for next five days of Thoubal $(19^{th} to 23^{rd} July, 2017)$

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 31 - 35 $^{\circ}$ C & minimum temp. 24 – 26 $^{\circ}$ C. Relative humidity may reach up to 100 % (max RH) & 97 % (min RH). The average wind speed may be 0-4 km/hr.

As the water level in crop field in some parts of valley area still high and in some other parts the water level is higher than the optimum level, hence no cultural operations can be done in the fields. Clean the sheds of birds/ animals properly and spray insectide/ lime powder and let it dry for some days. Preventive measures to avoid flies and mosquitoes population in and around the sheds. Shift them back to its sheds after the sheds are dry enough for healthy stay. Provide clean drinking water with antibiotic to avoid diseases. When water level goes down advisories as under may be followed.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		 The seeds may be sown when water level goes down. Recommended rice var. RC Maniphou-7. Treat seed with Humicil @ 5ml/kg seed. Puddle the field and level properly. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



All age groups

All age groups

All age groups

except the

young ones

excepts the

young ones

Sheep/ Goat

Pig

Cattle

Vaccination

De-worming

Vaccination

Management

B.Q. & H.S.

Deworming

Slush & Flood Management

Milk fever in Milch cow

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Passion Fruit Fruiting		Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative	·	Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplan Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Science	S		
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Name of bird/ animal	Stage Disease and Manageme		Agro-meteorological advisories
	All age groups	Fowl Pox	Vaccinate against fowl pox.
D 14		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Poultry (Chicken/ Turkey/ Duck)		Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
Zurieg, Duen)			- Bleaching powder may be spread near farm premises Avoid fungal infested feed.
			- Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100

ft² area.

- Vaccinate against FMD.

Provide wholesome water.

kg body weight.

- Sheep should be vaccinated against B.Q./ H.S.

- Essential body salts may be provided.

Vaccinate against B.Q., F.M.D. & H.S.

Avoid grazing at the periphery of flood.

- Provide adequate amount of wholesome water (drinking).

70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.

Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100

Adequate arrangements for the animals to be kept at the safety place be made.



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		Management	Provide adequate amount of wholesome water (drinking).Essential body salts may be provided.
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.
Cattle	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
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Imphal East

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (14^{th} to 17^{th} July, 2017)

Observed partly cloudy to overcast sky and **1.1 mm** rainfall was recorded during past four days. Maximum temperature range of 29.6 to $31.6\,^{\circ}$ C and minimum temperature range of 23.5 to $23.8\,^{\circ}$ C with mean relative humidity 87.25 % max and 70.0 % min was recorded in the past four days.

Weather forecast for next five days of Imphal East $(19^{th} to 23^{rd} July, 2017)$

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 33 - 34 $^{\rm o}$ C & minimum temp. 22 - 23 $^{\rm o}$ C. Relative humidity may reach up to 100 % (max RH) & 97 % (min RH). The average wind speed may be 2 km/hr.

As the water level in crop field in some parts of valley area still high and in some other parts the water level is higher than the optimum level, hence no cultural operations can be done in the fields. Clean the sheds of birds/ animals properly and spray insectide/ lime powder and let it dry for some days. Preventive measures to avoid flies and mosquitoes population in and around the sheds. Shift them back to its sheds after the sheds are dry enough for healthy stay. Provide clean drinking water with antibiotic to avoid diseases. When water level goes down advisories as under may be followed.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		- The seeds may be sown when water level goes down Recommended rice var. RC Maniphou-7 Treat seed with Humicil @ 5ml/kg seed Puddle the field and level properly Drain out water 24 hrs before sowing Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



Manipur Centre, Lamphelpat, Imphal - 795 004





Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Sciences		·	
	nking water for birds a	and animals.	
			ite of fly and mosquitoes.

Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
allillai	All age groups	Fowl Pox	Vaccinate against fowl pox.
Poultry		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
(Chicken/ Turkey/ Duck)		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
Turkey/ Duck)			 Bleaching powder may be spread near farm premises. Avoid fungal infested feed. Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft² area.
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.
	All age groups except the young ones	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Pig		Vaccination	- Vaccinate against FMD.
rig		Management	Provide adequate amount of wholesome water (drinking).Essential body salts may be provided.
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.
Cattle	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Slush & Flood Management	Provide wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood.
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

18th July, 2017

Imphal West

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(14^{th}\ to\ 17^{th}\ July,\ 2017)$

Observed partly cloudy to overcast sky and **1.1 mm** rainfall was recorded during past four days. Maximum temperature range of 29.6 to 31.6 $^{\circ}$ C and minimum temperature range of 23.5 to 23.8 $^{\circ}$ C with mean relative humidity 87.25 % max and 70.0 % min was recorded in the past four days.

Weather forecast for next five days of Imphal West $(19^{th} to 23^{rd} July, 2017)$

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 33 - 34 $^{\rm o}$ C & minimum temp. 24 - 26 $^{\rm o}$ C. Relative humidity may reach up to 100 % (max RH) & 96 % (min RH). The average wind speed may be 2 km/hr.

As the water level in crop field in some parts of valley area still high and in some other parts the water level is higher than the optimum level, hence no cultural operations can be done in the fields. Clean the sheds of birds/ animals properly and spray insectide/ lime powder and let it dry for some days. Preventive measures to avoid flies and mosquitoes population in and around the sheds. Shift them back to its sheds after the sheds are dry enough for healthy stay. Provide clean drinking water with antibiotic to avoid diseases. When water level goes down advisories as under may be followed.

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Stage	r est and disease	- Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling.
	Nursery to land preparation and transplanting		- Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rice	(kharif rice)		- Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding		- The seeds may be sown when water level goes down.
	with drum seeder		- Recommended rice var. RC Maniphou-7.
			- Treat seed with Humicil @ 5ml/kg seed.
			- Puddle the field and level properly.
			- Drain out water 24 hrs before sowing.
			- Use just pre-germinated seeds.
Maize	Vegetative		- At knee height stage, apply urea @ 43 kg Urea/ ha after rains.
			- Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		- Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain.
			- Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required.
			- For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on
			rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to		Infested leaf curl upward in margin. If small young nymphs of different colours
	harvesting		are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



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Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Sciences		·	
	nking water for birds a	and animals.	
			ite of fly and mosquitoes.

Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
allillai	All age groups	Fowl Pox	Vaccinate against fowl pox.
Poultry		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
(Chicken/ Turkey/ Duck)		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
Turkey/ Duck)			 Bleaching powder may be spread near farm premises. Avoid fungal infested feed. Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft² area.
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.
	All age groups except the young ones	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Pig		Vaccination	- Vaccinate against FMD.
rig		Management	Provide adequate amount of wholesome water (drinking).Essential body salts may be provided.
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.
Cattle	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Slush & Flood Management	Provide wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood.
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

18th July, 2017

Bishnupur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (14^{th} to 17^{th} July, 2017)

Observed partly cloudy to overcast sky and **1.1 mm** rainfall was recorded during past four days. Maximum temperature range of 29.6 to 31.6 $^{\circ}$ C and minimum temperature range of 23.5 to 23.8 $^{\circ}$ C with mean relative humidity 87.25 % max and 70.0 % min was recorded in the past four days.

Weather forecast for next five days of Bishnupur $(19^{th}\ to\ 23^{rd}\ July,\ 2017)$

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 35 $^{\rm o}$ C & minimum temp. 25 $^{\rm o}$ C. Relative humidity may reach up to 100 % (max RH) & 97 % (min RH). The average wind speed may be 0-2 km/hr.

As the water level in crop field in some parts of valley area still high and in some other parts the water level is higher than the optimum level, hence no cultural operations can be done in the fields. Clean the sheds of birds/ animals properly and spray insectide/ lime powder and let it dry for some days. Preventive measures to avoid flies and mosquitoes population in and around the sheds. Shift them back to its sheds after the sheds are dry enough for healthy stay. Provide clean drinking water with antibiotic to avoid diseases. When water level goes down advisories as under may be followed.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		 The seeds may be sown when water level goes down. Recommended rice var. RC Maniphou-7. Treat seed with Humicil @ 5ml/kg seed. Puddle the field and level properly. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



Manipur Centre, Lamphelpat, Imphal - 795 004





Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
	Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
	Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
	Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
	Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
	Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50
		baits/ ha.
	Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
	Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
	Vegetative Transplanting/ Fertilizer	Anthracnose Collar rot Brown spot Termite Fruit fly Thrips Vegetative Greening Transplanting/ Fertilizer

* Provide clean drinking water for birds and animals.

- Apply Himax oi	Apply Himax ointment twice daily on animal body to prevent bite of fly and mosquitoes.					
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories			
	All age groups	Fowl Pox	Vaccinate against fowl pox.			
Poultry		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.			
(Chicken/ Turkey/ Duck)		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.			
Turney, Duen,			Bleaching powder may be spread near farm premises.Avoid fungal infested feed.			
			- Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft ² area.			
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.			
	All age groups except the	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.			
Pig		Vaccination	- Vaccinate against FMD.			
	young ones	Management	- Provide adequate amount of wholesome water (drinking).- Essential body salts may be provided.			
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.			
Cattle	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.			
		Slush & Flood Management	Provide wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood.			
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.			



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

18th July, 2017

Chandel

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(14^{th}$ to 17^{th} July, 2017)

Observed partly cloudy to overcast sky and **1.1 mm** rainfall was recorded during past four days. Maximum temperature range of 29.6 to $31.6\,^{\circ}$ C and minimum temperature range of 23.5 to $23.8\,^{\circ}$ C with mean relative humidity 87.25 % max and 70.0 % min was recorded in the past four days.

Weather forecast for next five days of Chandel (19th to 23rd July, 2017)

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 31 - 35 $^{\circ}$ C & minimum temp. 24 – 25 $^{\circ}$ C. Relative humidity may reach up to 100 % (max RH) & 97 % (min RH). The average wind speed may be 3-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 - Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. - Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		 The seeds may be sown when water level goes down. Recommended rice var. RC Maniphou-7. Treat seed with Humicil @ 5ml/kg seed. Puddle the field and level properly. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops	_		
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



Manipur Centre, Lamphelpat, Imphal - 795 004





Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Sciences			
* Provide clean drin	nking water for birds a	ınd animals.	
	8		ite of fly and mosquitoes.

- Apply Himax ointment twice daily on animal body to prevent bite of fly and mosquitoes.					
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories		
Poultry (Chicken/ Turkey/ Duck)	All age groups	Fowl Pox	Vaccinate against fowl pox.		
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.		
		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.		
			Bleaching powder may be spread near farm premises. Avoid fungal infested feed.		
			- Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft ² area.		
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.		
Pig	All age groups except the young ones	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.		
		Vaccination	- Vaccinate against FMD.		
		Management	- Provide adequate amount of wholesome water (drinking).- Essential body salts may be provided.		
Cattle	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.		
	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.		
		Slush & Flood Management	Provide wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood.		
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.		



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

18th July, 2017

Churachandpur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 19th to 23rd July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(14^{th}\ to\ 17^{th}\ July,\ 2017)$

Observed partly cloudy to overcast sky and **1.1 mm** rainfall was recorded during past four days. Maximum temperature range of 29.6 to 31.6 $^{\circ}$ C and minimum temperature range of 23.5 to 23.8 $^{\circ}$ C with mean relative humidity 87.25 % max and 70.0 % min was recorded in the past four days.

Weather forecast for next five days of Churachandpur $(19^{th}$ to 23^{rd} July, 2017)

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 35 $^{\circ}$ C & minimum temp. 25 – 26 $^{\circ}$ C. Relative humidity may reach up to 100 % (max RH) & 97 % (min RH). The average wind speed may be 0-2 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Nursery to land preparation and transplanting (kharif rice)		 - Apply Carbofuran 3G @2kg/ha a week before uprooting the seedling. - Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uproot seedlings at 25 to 35 days after sowing depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one ha area.
	Direct seeding with drum seeder		 The seeds may be sown when water level goes down. Recommended rice var. RC Maniphou-7. Treat seed with Humicil @ 5ml/kg seed. Puddle the field and level properly. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Maize	Vegetative		 At knee height stage, apply urea @ 43 kg Urea/ ha after rains. Measures must be taken to avoid water logging in the crop field.
Soybean / Groundnut	Vegetative		 Earthing-up and thinning may be done at 30 to 40 days after sowing of crop after rain. Avoid leaf eating caterpillars/ insects at least upto 60 days after sowing.
Blackgram & Rice bean	Vegetative		- Avoid sowing in water logged fields. Also, avoid hairy caterpillars.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative		Water soaked lesions may develop at the base of the pseudo-stem. Later on rotting may spread to the rhizome. To prevent it spray Redomil MZ72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times.
Bhindi	Fruiting to harvesting		Infested leaf curl upward in margin. If small young nymphs of different colours are found on the underside of the leaves, spray Monocrotophos 36EC @ 1 ml / lit of water after harvesting the mature fruits.



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Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
		Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		Brown spot	- Remove the infected leaves and burn and spray Zineb@ 2 mg/ lit of water.
		Termite	Apply Chloropyriphos 10%G @ 25kg/ha into the soil.
		Fruit fly	Apply poison baiting with Jaggary + fruit juice + Malathion (20:20:1) @ 40-50 baits/ ha.
		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/ Lemon	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Tree bean	Transplanting/ Fertilizer application		One year or more than a year old quality seedling may be transplanted in the pit. Recommended spacing is 10x10 m from plant to plant and row to row At the time of planting apply 5 kg FYM + 30 gm lime+30 gm linden 5% dust + 5 ml Chlorpyriphos 20 EC + 1.5 g Mancozeb + Carbendazim per pit. For 7 yrs and above and for bearing plants apply 7 kg FYM, 120 Kg urea, 300 gm SSP, 80 gm MOP, 1 Kg lime should be applied.
Animal Sciences	'		<u>, , , , , , , , , , , , , , , , , , , </u>
	nking water for hirds	and animals	

- Apply Himax ointment twice daily on animal body to prevent bite of fly and mosquitoes.						
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories			
Poultry (Chicken/ Turkey/ Duck)	All age groups	Fowl Pox	Vaccinate against fowl pox.			
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.			
		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.			
			 Bleaching powder may be spread near farm premises. Avoid fungal infested feed. Use dry litter material in the shed, if moist apply lime powder @ 1kg per 100 ft² area. 			
Sheep/ Goat	All age groups	Vaccination	- Sheep should be vaccinated against B.Q./ H.S.			
Pig	All age groups except the young ones	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.			
		Vaccination	- Vaccinate against FMD.			
		Management	- Provide adequate amount of wholesome water (drinking).- Essential body salts may be provided.			
Cattle	All age groups excepts the young ones	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.			
		Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.			
		Slush & Flood Management	Provide wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood.			
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.			