

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st July, 2017

Ukhrul

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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(18^{th}\ to\ 20^{th}\ July,\ 2017)$

Observed mainly cloudy to overcast sky and 17.3 mm rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Ukhrul $(22^{nd} \text{ to } 26^{th} \text{ July}, 2017)$

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 33 $^{\circ}$ C & minimum temp. 24 $^{\circ}$ C. Relative humidity may reach up to 98 % (max RH) & 86 % (min RH). The average wind speed may be 2-3 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Transplanting to tillering (kharif rice)	Low lying area	 Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field.
			 If transplanting was not done then complete transplanting before 31st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P₂O₂ and 30 kg K₂O/ha with half of N, full of P₂O₂ and 2/3 of K₂O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.
		Upland area/ hill slopes Thrips	- In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm. Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain.
	Direct seeding with drum seeder	Stem borer	- For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha. - 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.

Pest and disease

Stage

excepts the

young ones

Cattle

Deworming

Slush & Flood Management

Milk fever in Milch cow

Agro-meteorological advisories



Horticulture Crops
Name of the crop

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Ginger	Vegetative	to	Water soaked lesions may develop at the base of the pseudo-stem. Later on
o e	rhizome for		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.
		Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with
			Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina
			leaf spot disease in turmeric.
		Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflow	er Nursery		- For nursery rising of early cauliflower in 10-15cm high beds under temporary
			rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with
			Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White
		Plutella Diamond	shot, etc. - There may be incidence of Plutella Diamond Black Moth in nursery. If the
		Black Moth	plant is young then hand picking is advised otherwise neem based pesticides may
		Diack Wolli	be sprayed.
Passion Fruit	Fruiting	Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
1 40001011 1 1 411	Trumg	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/	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around
Lemon			the trunk. Spray Carbendazim @2g/lit water or Metalxyl + Mencozeb @ 2.5 g/lit
		E 11'	water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
		Fungal diseases	Prune the disease infected twigs and burn them outside the farm area.
		C	Spray Copper oxychloride @ 3ml/lit to control fungal disease.
Animal Sciences		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
		birds and animals.	
		on animal body to prevent bite	of fly and magazitoss
Name of bird/	Stage	Disease and Management	Agro-meteorological advisories
animal	Stage	Disease and Wanagement	Agro-inctcorological advisories
	All age groups	Fowl Pox	Vaccinate against fowl pox.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Poultry		Deworming	➤ Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next
(Chicken/ Turkey/ Duck)		Deworming	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.
		De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Dia.	All age groups	Vaccination	- Vaccinate against FMD.
Pig	except the young ones	Management	- Provide adequate amount of wholesome water (drinking).
	young ones		- Essential body salts may be provided.
	All age groups	B.Q. & H.S.	Vaccinate against B.Q., F.M.D. & H.S.
	0.6	<u> </u>	

kg body weight.

Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg /ha at 30days interval.

Provide clean and wholesome water.

Do not allow to drink flood water.

Avoid grazing at the periphery of flood.

Mineral mixtures/vitamins should be fed at this time.

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.

Animals should be protected against illness caused due to damp weather.

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

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st July, 2017

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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Imphal East $(22^{nd} \text{ to } 26^{th} \text{ July}, 2017)$

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 29 - 31 $^{\rm o}$ C & minimum temp. 22 - 23 $^{\rm o}$ C. Relative humidity may reach up to 98 % (max RH) & 88 % (min RH). The average wind speed may be 2 – 4 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Transplanting to tillering (kharif rice)	Pest and disease Low lying area Upland area/ hill slopes	Agro-meteorological advisories Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field. If transplanting was not done then complete transplanting before 31 st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P ₂ O ₂ and 30 kg K ₂ O/ha with half of N, full of P ₂ O ₂ and 2/3 of K ₂ O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting. In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm.
		Thrips Stem borer	Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain. - For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha.
	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.
3.6 1	V		- 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 /	V		- Earthing-up and thinning may be done at 30 to 40 days after sowing of crop
•	Vegetative		after rain.
Groundnut			- 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 propedrying of seeds along with charcoal at 80:20. Check for moisture content of 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.



Manipur Centre, Lamphelpat, Imphal - 795 004





"Gramin Krishi Mausam Seva"

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative to rhizome formation		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.
		Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina leaf spot disease in turmeric.
		Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflower Nurs	Nursery		- For nursery rising of early cauliflower in 10-15cm high beds under temporary rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.
		Plutella Diamond Black Moth	- There may be incidence of Plutella Diamond Black Moth in nursery. If the plant is young then hand picking is advised otherwise neem based pesticides may be sprayed.
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.
		Fungal diseases	Prune the disease infected twigs and burn them outside the farm area. Spray Copper oxychloride @ 3ml/lit to control fungal disease.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.

Animal Sciences

* Provide clean drinking water for birds and animals.

- Apply Himax of	intment twice daily	on animal body to prevent bite of	
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.
			 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.
_		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	excepts the young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
Cattle		Slush & Flood Management	Provide clean and wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood. Animals should be protected against illness caused due to damp weather. Mineral mixtures/vitamins should be fed at this time. Do not allow to drink flood water.
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.
Apply Agri lime	e in the fish culture	e pond after the water level rea	aches normal depth after flood @ 30-35 kg /ha at 30days interval.

E-mail: agromet_mnp@yahoo.co.uk



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st 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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Imphal West (22nd to 26th July, 2017)

Likely to have moderate rains at isolated places with mainly cloudy to overcast sky and maximum temp. 31 - 33 $^{\circ}$ C & minimum temp. 23 - 24 $^{\circ}$ C. Relative humidity may reach up to 98 $^{\circ}$ (max RH) & 74 $^{\circ}$ (min RH). The average wind speed may be 2 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Transplanting to tillering (kharif rice)	Low lying area	 Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field.
Rice			 If transplanting was not done then complete transplanting before 31st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P₂O₂ and 30 kg K₂O/ha with half of N, full of P₂O₂ and 2/3 of K₂O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.
		Upland area/ hill slopes Thrips	- In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm. Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain.
		Stem borer	- For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha.
	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.

Pest and disease

Stage

excepts the

young ones

Cattle

Deworming

Slush & Flood Management

Milk fever in Milch cow

Agro-meteorological advisories



Horticulture Crops
Name of the crop

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





- 1000000 000 0000	op Stag	~	I cot alla albeabe	ingro meteorological advisories
Ginger	Vegetative rhizome for			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.
		Ī	Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with
				Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina
				leaf spot disease in turmeric.
			Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflowe	er Nursery			- For nursery rising of early cauliflower in 10-15cm high beds under temporary
				rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White
				shot, etc.
			Plutella Diamond	- There may be incidence of Plutella Diamond Black Moth in nursery. If the
			Black Moth	plant is young then hand picking is advised otherwise neem based pesticides may be sprayed.
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
		=	TIN .	baits/ ha.
0 71 /	37		Thrips	Spray Imidachloprid 17.8% SL @ 1ml/ lit of water.
Orange/Lime/	Vegetative			Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around
Lemon				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.
			Fungal diseases	Prune the disease infected twigs and burn them outside the farm area.
			T diigar diseases	Spray Copper oxychloride @ 3ml/lit to control fungal disease.
			Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Animal Science	S			
* Provide clean d	lrinking water for			
	ntment twice daily		l body to prevent bite	
Name of bird/ animal	Stage	Disea	se and Management	Agro-meteorological advisories
	All age groups	Fowl F	Pox	Vaccinate against fowl pox.
Poultry		Coccid	liosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
(Chicken/		Dewor	rming	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	Vaccin	nation	- Sheep should be vaccinated against B.Q./ H.S.
	All age groups	De-wo	rming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Pig	All age groups except the	Vaccin	nation	- Vaccinate against FMD.
9	young ones	Manag	gement	- Provide adequate amount of wholesome water (drinking).
	A 11	D.O. O	II C	- Essential body salts may be provided.
	All age groups	B.Q. &	z H.S.	Vaccinate against B.Q., F.M.D. & H.S.

kg body weight.

Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg /ha at 30days interval.

Provide clean and wholesome water.

Do not allow to drink flood water.

Avoid grazing at the periphery of flood.

Mineral mixtures/vitamins should be fed at this time.

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.

Animals should be protected against illness caused due to damp weather.

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

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st 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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Bishnupur (22nd to 26th July, 2017)

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 31 - 34 $^{\circ}$ C & minimum temp. 24 - 25 $^{\circ}$ C. Relative humidity may reach up to 98 % (max RH) & 93 % (min RH). The average wind speed may be 2 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Î	Transplanting to tillering (kharif rice)	Low lying area	 Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field.
Rice			 If transplanting was not done then complete transplanting before 31st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P₂O₂ and 30 kg K₂O/ha with half of N, full of P₂O₂ and 2/3 of K₂O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.
		Upland area/ hill slopes	- In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm.
		Thrips Stem borer	Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain.
	D' / 1'	Stem borer	- For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha.
	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.



Manipur Centre, Lamphelpat, Imphal - 795 004





"Gramin Krishi Mausam Seva"

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative to		Water soaked lesions may develop at the base of the pseudo-stem. Later on
	rhizome formation		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.
		Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with
			Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina
			leaf spot disease in turmeric.
		Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflower	Nursery		- For nursery rising of early cauliflower in 10-15cm high beds under temporary
			rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with
			Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White
			shot, etc.
		Plutella Diamond	- There may be incidence of Plutella Diamond Black Moth in nursery. If the
		Black Moth	plant is young then hand picking is advised otherwise neem based pesticides may
			be sprayed.
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/	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around
Lemon			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.
		Fungal diseases	Prune the disease infected twigs and burn them outside the farm area.
			Spray Copper oxychloride @ 3ml/lit to control fungal disease.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.

* Provide clean drinking water for birds and animals.

- Apply Himax of	intment twice daily	on animal body to prevent bite of	
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.
			 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.
_		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 young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
Cattle		Slush & Flood Management	Provide clean and wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood. Animals should be protected against illness caused due to damp weather. Mineral mixtures/vitamins should be fed at this time. Do not allow to drink flood water.
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.
Apply Agri lime	e in the fish culture	e pond after the water level rea	aches normal depth after flood @ 30-35 kg /ha at 30days interval.

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st 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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Chandel (22nd to 26th July, 2017)

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 30 - 32 $^{\rm o}$ C & minimum temp. 24 - 25 $^{\rm o}$ C. Relative humidity may reach up to 99 % (max RH) & 93 % (min RH). The average wind speed may be 2 - 4 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Stage Transplanting to tillering (kharif rice)	Pest and disease Low lying area Upland area/ hill slopes	Agro-meteorological advisories Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field. If transplanting was not done then complete transplanting before 31 st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P ₂ O ₂ and 30 kg K ₂ O/ha with half of N, full of P ₂ O ₂ and 2/3 of K ₂ O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting. In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm.
	Direct seeding with drum seeder	Thrips Stem borer	Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain. - For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha. - 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.



Manipur Centre, Lamphelpat, Imphal - 795 004





"Gramin Krishi Mausam Seva"

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative to		Water soaked lesions may develop at the base of the pseudo-stem. Later on
	rhizome formation		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.
		Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with
			Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina
			leaf spot disease in turmeric.
		Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflower	Nursery		- For nursery rising of early cauliflower in 10-15cm high beds under temporary
			rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with
			Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White
			shot, etc.
		Plutella Diamond	- There may be incidence of Plutella Diamond Black Moth in nursery. If the
		Black Moth	plant is young then hand picking is advised otherwise neem based pesticides may
			be sprayed.
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/	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around
Lemon			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.
		Fungal diseases	Prune the disease infected twigs and burn them outside the farm area.
			Spray Copper oxychloride @ 3ml/lit to control fungal disease.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.

* Provide clean drinking water for birds and animals.

- Apply Himax of	- 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.			
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	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.			
Pig		Vaccination	- Vaccinate against FMD.			
1 ig	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 young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.			
Cattle		Slush & Flood Management	Provide clean and wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood. Animals should be protected against illness caused due to damp weather. Mineral mixtures/vitamins should be fed at this time. Do not allow to drink flood water.			
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.			
Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg /ha at 30days interval.						

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st 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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\rm o}$ C and minimum temperature range of 21.7 to 23.2 $^{\rm o}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Churachandpur $(22^{nd} \text{ to } 26^{th} \text{ July}, 2017)$

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 34 $^{\rm o}$ C & minimum temp. 24 - 25 $^{\rm o}$ C. Relative humidity may reach up to 99 % (max RH) & 96 % (min RH). The average wind speed may be 2 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Transplanting to tillering (kharif rice)	Low lying area	 - Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. - 4 to 5 old seedlings (40-45days old) should be planted per hill. - For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. - To have more tillers, avoid excess water in the field.
Rice			 If transplanting was not done then complete transplanting before 31st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P₂O₂ and 30 kg K₂O/ha with half of N, full of P₂O₂ and 2/3 of K₂O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.
		Upland area/ hill slopes Thrips	- In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm. Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain.
		Stem borer	- For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha.
	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.



Cattle

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Name of the cro		e	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative rhizome fo	to	T est una disease	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.
			Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina leaf spot disease in turmeric.
			Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflowe	Pr Nursery			- For nursery rising of early cauliflower in 10-15cm high beds under temporary rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.
			Plutella Diamond Black Moth	- There may be incidence of Plutella Diamond Black Moth in nursery. If the plant is young then hand picking is advised otherwise neem based pesticides may be sprayed.
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.
			Fungal diseases	Prune the disease infected twigs and burn them outside the farm area. Spray Copper oxychloride @ 3ml/lit to control fungal disease.
			Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Animal Science				
	lrinking water for			
			body to prevent bite of	
Name of bird/ animal	Stage		se and Management	Agro-meteorological advisories
	All age groups	Fowl P		Vaccinate against fowl pox.
Poultry		Coccid	iosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
(Chicken/ Turkey/ Duck)		Dewor	ming	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	Vaccin		- Sheep should be vaccinated against B.Q./ H.S.
	All age groups	De-wor		- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Pig	except the	Vaccin	ation	- Vaccinate against FMD.
8	young ones	Manage	ement	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	Deworn		Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100
	young ones			kg body weight.
		Slush &	& Flood Management	Provide clean and wholesome water.

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

Animals should be protected against illness caused due to damp weather.

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

Avoid grazing at the periphery of flood.

Do not allow to drink flood water.

Milk fever in Milch cow

Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg/ha at 30days interval.

Mineral mixtures/vitamins should be fed at this time.

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st 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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Senapati (22nd to 26th July, 2017)

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 31 - 34 $^{\rm o}$ C & minimum temp. 24 - 25 $^{\rm o}$ C. Relative humidity may reach up to 97 % (max RH) & 85 % (min RH). The average wind speed may be 2-3 km/hr.

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Transplanting to tillering (kharif rice)	Pest and disease Low lying area	 - Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. - 4 to 5 old seedlings (40-45days old) should be planted per hill. - For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. - To have more tillers, avoid excess water in the field. - If transplanting was not done then complete transplanting before 31st July if seedlings is available. - During final leveling apply fertilizer @ 60-80 kg N, 40 kg P₂O₂ and 30 kg K₂O/ha with half of N, full of P₂O₂ and 2/3 of K₂O as basal dose before transplanting seedlings. - Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. - Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.
		Upland area/ hill slopes Thrips Stem borer	- Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting. - In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm. Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain.
	Direct seeding with drum seeder	Stelli boler	- For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha. - 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.

Pest and disease

Stage

excepts the

young ones

Cattle

Deworming

Slush & Flood Management

Milk fever in Milch cow

Agro-meteorological advisories



Horticulture Crops
Name of the crop

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Name of the cro	op Stage	•	rest and disease	Agro-meteorological advisories
Ginger	Vegetative t rhizome for			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.
			Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina leaf spot disease in turmeric.
			Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflowe	r Nursery		Killzome fot	- For nursery rising of early cauliflower in 10-15cm high beds under temporary
Early Caumiowe	ruiscry			rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.
			Plutella Diamond	- There may be incidence of Plutella Diamond Black Moth in nursery. If the
			Black Moth	plant is young then hand picking is advised otherwise neem based pesticides may be sprayed.
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.
			Fungal diseases	Prune the disease infected twigs and burn them outside the farm area.
			C :	Spray Copper oxychloride @ 3ml/lit to control fungal disease.
4			Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Animal Science: * Provide clean d	s Irinking water for	birds an	nd animals.	
			al body to prevent bite	of fly and mosquitoes.
Name of bird/ animal	Stage		ase and Management	Agro-meteorological advisories
	All age groups	Fowl I	Pox	Vaccinate against fowl pox.
Danken		Coccio	diosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Poultry (Chicken/		Dewo	rming	➤ 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	Vaccir	nation	- Sheep should be vaccinated against B.Q./ H.S.
	All age groups	De-wo	orming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
Pig	except the	Vaccin	nation	- Vaccinate against FMD.
115	young ones Ma		gement	- Provide adequate amount of wholesome water (drinking).- Essential body salts may be provided.
	All age groups	B.Q. &	k H.S.	Vaccinate against B.Q., F.M.D. & H.S.
			•	11 41

kg body weight.

Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg /ha at 30days interval.

Provide clean and wholesome water.

Do not allow to drink flood water.

Avoid grazing at the periphery of flood.

Mineral mixtures/vitamins should be fed at this time.

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.

Animals should be protected against illness caused due to damp weather.

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

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st 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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Tamenglong $(22^{nd} \text{ to } 26^{th} \text{ July}, 2017)$

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 34 $^{\rm o}$ C & minimum temp. 24 - 25 $^{\rm o}$ C. Relative humidity may reach up to 98 % (max RH) & 91 % (min RH). The average wind speed may be 2 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Transplanting to tillering (kharif rice)	Low lying area	 Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field.
Rice			 If transplanting was not done then complete transplanting before 31st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P₂O₂ and 30 kg K₂O/ha with half of N, full of P₂O₂ and 2/3 of K₂O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.
		Upland area/ hill slopes Thrips	- In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm. Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain.
		Stem borer	- For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha.
	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.

B.Q. & H.S.

Deworming

Slush & Flood Management

Milk fever in Milch cow

All age groups excepts the

young ones

Cattle



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Name of the cro			Pest and disease	Agree meteorelegical advisavies
			Pest and disease	Agro-meteorological advisories
Ginger	Vegetative rhizome for			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.
			Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrin leaf spot disease in turmeric.
		-	Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflowe	r Nursery		Tunizonie roc	- For nursery rising of early cauliflower in 10-15cm high beds under temporar rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil wit Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, Whit shot, etc.
			Plutella Diamond Black Moth	- There may be incidence of Plutella Diamond Black Moth in nursery. If the plant is young then hand picking is advised otherwise neem based pesticides may be sprayed.
Passion Fruit	Fruiting		Fruit rot	Spray Metalxyl + Mencozeb @ 2 g/lit water at 7 days interval.
1 assion Fruit	Trutting		Anthracnose	Spray Carbendazim 12% + Mencozeb 63% WP @1 mg/lit of water.
			Collar rot	Drench the soil of collar region with 1% Bordeaux mixture.
		L	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/li water on sunny day. After 7 days spray Imidachloprid @ 5ml/ 10 lit of water.
			Fungal diseases	Prune the disease infected twigs and burn them outside the farm area. Spray Copper oxychloride @ 3ml/lit to control fungal disease.
		•	Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.
Animal Sciences			<u></u>	
	rinking water for	birds an	d animals.	
			l body to prevent bite	of fly and mosquitoes.
Name of bird/ animal	Stage		se and Management	Agro-meteorological advisories
	All age groups	Fowl F	Pox	Vaccinate against fowl pox.
Davilton		Coccid	liosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Poultry (Chicken/ Turkey/ Duck)		Dewor	rming	➤ 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	Vaccin	nation	- Sheep should be vaccinated against B.Q./ H.S.
Sheep/ Guat	I III age groups	De-wo		- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.
	All age groups		-	
Pig	except the	Vaccin		- Vaccinate against FMD.
	young ones	Manag	gement	- Provide adequate amount of wholesome water (drinking) Essential body salts may be provided
		1		- ESSERITAL DOOV SAITS HIAV DE DIOVIGEO.

- Essential body salts may be provided.

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

Provide clean and wholesome water.

Do not allow to drink flood water.

Avoid grazing at the periphery of flood.

Mineral mixtures/vitamins should be fed at this time.

kg body weight.

Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg /ha at 30days interval.

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.

Animals should be protected against illness caused due to damp weather.

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

E-mail: agromet_mnp@yahoo.co.uk







Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

21st July, 2017

Thoubal

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 22nd to 26th July, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (18th to 20th July, 2017)

Observed mainly cloudy to overcast sky and **17.3 mm** rainfall was recorded during past three days. Maximum temperature range of 26.0 to 28.2 $^{\circ}$ C and minimum temperature range of 21.7 to 23.2 $^{\circ}$ C with mean relative humidity 89.7 % max and 83.7 % min was recorded in the past three days.

Weather forecast for next five days of Thoubal (22nd to 26th July, 2017)

Likely to have rains at isolated places with mainly cloudy to overcast sky and maximum temp. 32 - 34 $^{\rm o}$ C & minimum temp. 24 - 25 $^{\rm o}$ C. Relative humidity may reach up to 99 % (max RH) & 93 % (min RH). The average wind speed may be 2 - 4 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Stage Transplanting to tillering (kharif rice)	Pest and disease Low lying area Upland area/ hill slopes	Agro-meteorological advisories Gap filling of the rice seedlings should be done immediately in the fields that had been flooded. 4 to 5 old seedlings (40-45days old) should be planted per hill. For flooded areas, contingency nurseries with late variety/ cold tolerant variety RC Maniphou 7 may be raised. To have more tillers, avoid excess water in the field. If transplanting was not done then complete transplanting before 31 st July if seedlings is available. During final leveling apply fertilizer @ 60-80 kg N, 40 kg P ₂ O ₂ and 30 kg K ₂ O/ha with half of N, full of P ₂ O ₂ and 2/3 of K ₂ O as basal dose before transplanting seedlings. Uproot 25-35 days old seedlings. About 1200-1300 bundles of seedlings (40cm diameter) are required for transplanting in one hectare area. Row planting of 2-3 seedlings per hill may be done at 25 x 10cm using beaded rope. Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm. Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting. In upland area, hand weeding may be done. Off-type plants must be removed. Then top dressing of one-third of N and potash should be done at 25 days of transplanting after draining out complete water. After 48hrs of fertilization, the field should be re-irrigated maintaining depth of 5cm.
	Direct seeding with drum seeder	Thrips Stem borer	Spray Lambdacyhothrin 5% EC @ 15ml/15 litres of water after rain. - For stem borer, spray Chlorantraliniprol 23.5% @ 40 ml/ha. - 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.



Manipur Centre, Lamphelpat, Imphal - 795 004





"Gramin Krishi Mausam Seva"

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Vegetative to		Water soaked lesions may develop at the base of the pseudo-stem. Later on
	rhizome formation		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.
		Leaf spot	Prophylactic spray of of Redomil MZ 72 WP @ 2g/lit water alternately with
			Carbendazim @ 2g/lit water at 14 days interval may be sprayed against Taphrina
			leaf spot disease in turmeric.
		Rhizome rot	Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Early Cauliflower	Nursery		- For nursery rising of early cauliflower in 10-15cm high beds under temporary
			rain shelter, apply 1-2 kg FYM/ m ² of nursery bed. Drench the soil with
			Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White
			shot, etc.
		Plutella Diamond	- There may be incidence of Plutella Diamond Black Moth in nursery. If the
		Black Moth	plant is young then hand picking is advised otherwise neem based pesticides may
			be sprayed.
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/	Vegetative		Apply 650g Urea, 1250g SSP and 450g MOP per tree in circular trench around
Lemon			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.
		Fungal diseases	Prune the disease infected twigs and burn them outside the farm area.
			Spray Copper oxychloride @ 3ml/lit to control fungal disease.
		Greening	- Spray Streptocycline @ 1g/10 lit of water or Tetracycline@5g/10 litre water.

* Provide clean drinking water for birds and animals.

- Apply Himax of	- 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.			
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	De-worming	- De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt.			
Pig		Vaccination	- Vaccinate against FMD.			
1 ig	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 young ones	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.			
Cattle		Slush & Flood Management	Provide clean and wholesome water. Adequate arrangements for the animals to be kept at the safety place be made. Avoid grazing at the periphery of flood. Animals should be protected against illness caused due to damp weather. Mineral mixtures/vitamins should be fed at this time. Do not allow to drink flood water.			
		Milk fever in Milch cow	70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.			
Apply Agri lime in the fish culture pond after the water level reaches normal depth after flood @ 30-35 kg /ha at 30days interval.						

E-mail: agromet_mnp@yahoo.co.uk



