

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Bishnupur

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th June, 2018)

Observed **28.6 mm** rainfall with **mainly cloudy to overcast sky** but **partly cloudy** during morning hours of 8th & 9th June. Maximum temperature recorded ranged from **26.0** to **32.4** °C and minimum of **21.7** to **23.4** °C with mean relative humidity **84.3** % max and **74.5** % min was recorded in the past four days with average wind speed was **2.8-6.6** km/ hr.

Weather forecast for next five days of Bishnupur (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 25-27 °C & minimum temp. 20-22 °C. Relative humidity may reach up to 100 %(Max) and 97 % (Min). The average wind speed may be 0-2 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tunic of the crop	Panicle initiation	1 cot and anotabe	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains.
	to flowering (Pre-kharif rice)	Sheath blight/ sheath rot	- Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)		 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		- Proper staking system must be made to avoid fruits from touching soil Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Chilli/ capsicum	Flowering and fruiting to harvesting		- In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains Harvest mature crops before rains.
Tomato	Fruiting to harvesting		- Harvest mature crops before rains Avoid water logging.



Manipur Centre, Lamphelpat, Imphal - 795 004





* Provide clean		s and animals. Drain	age may be co	onstructed well around the birds or animals sheds to avoid water logging.
Name of bird/ animal	Stage	Disease ar Manageme	d	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		Endoparasites		De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		Management	•	Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.
		Coccidiosis	•	Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	All age groups	Vaccination		If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Management		Fly repellant must be used in the premises of the sheds. Protect from thunder showers. Protect from after winds (loo).
Pig	except the young • Skin disease		•	De-worm with Albendazole @7.5 mg/kg b.wt.
			•	Sprayer of <i>Anti-Psoroptic</i> may be used.
	ones	Management		Breeding must be advocated continuously. Protect from thunder showers especially during night.
e	All age groups excepts the young ones	Vaccination		Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
		Deworming Care & Management		De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
				Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
Fishery				
	with happa net or raise			
Type of Farming	Stage	Management)	ological advisories
Carp culture	Breeding	pond	0.5 - 0.7 ml/	
	Hatcheries	water	hatcheries. A	
	Nurseries	ponds		30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m. ould be given@5-10% body weight/day.
	Carp diseases	Argulus (fish lice) infection		Il the fishes and give a bath treatment for 15 min per day in a solution of 1g stassium permanganate) in 10 litres of water for 5-7 days. hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste

soaked overnight.

fishes.

EUS (Epizostic Ulcerative

Syndrome)



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Chandel

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

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Weather forecast for next five days of Chandel (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 24-26 °C & minimum temp. 19-21 °C. Relative humidity may reach up to 100 %(Max) and 96 % (Min). The average wind speed may be 0-3 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tunic of the crop	Panicle initiation	1 cot and anotabe	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains.
	to flowering (Pre-kharif rice)	Sheath blight/ sheath rot	- Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)		 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		- Proper staking system must be made to avoid fruits from touching soil Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Chilli/ capsicum	Flowering and fruiting to harvesting		- In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains Harvest mature crops before rains.
Tomato	Fruiting to harvesting		- Harvest mature crops before rains Avoid water logging.



Manipur Centre, Lamphelpat, Imphal - 795 004





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Name of bird/ animal	Stage	Disease ar Manageme	d	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		Endoparasites		De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		Management	•	Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.
		Coccidiosis	•	Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	All age groups	Vaccination		If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Management		Fly repellant must be used in the premises of the sheds. Protect from thunder showers. Protect from after winds (loo).
Pig	except the young • Skin disease		•	De-worm with Albendazole @7.5 mg/kg b.wt.
			•	Sprayer of <i>Anti-Psoroptic</i> may be used.
	ones	Management		Breeding must be advocated continuously. Protect from thunder showers especially during night.
e	All age groups excepts the young ones	Vaccination		Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
		Deworming Care & Management		De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
				Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
Fishery				
	with happa net or raise			
Type of Farming	Stage	Management)	ological advisories
Carp culture	Breeding	pond	0.5 - 0.7 ml/	
	Hatcheries	water	hatcheries. A	
	Nurseries	ponds		30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m. ould be given@5-10% body weight/day.
	Carp diseases	Argulus (fish lice) infection		Il the fishes and give a bath treatment for 15 min per day in a solution of 1g stassium permanganate) in 10 litres of water for 5-7 days. hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste

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MANIPUR BULLETIN

12th June, 2018

Churachandpur

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

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Weather forecast for next five days of Churachandpur (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 24-26 °C & minimum temp. 19-21 °C. Relative humidity may reach up to 100 %(Max) and 93 % (Min). The average wind speed may be 2-4 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Trume of the crop	Panicle initiation	Test and disease	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains.
	to flowering (Pre-kharif rice)	Sheath blight/ sheath rot	- Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)		 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		- Proper staking system must be made to avoid fruits from touching soil Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Chilli/ capsicum	Flowering and fruiting to harvesting		- In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains Harvest mature crops before rains.
Tomato	Fruiting to harvesting		- Harvest mature crops before rains Avoid water logging.



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Name of bird/ animal	Stage	Disease ar Manageme	d	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		Endoparasites		De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		Management	•	Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.
		Coccidiosis	•	Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	All age groups	Vaccination		If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Management		Fly repellant must be used in the premises of the sheds. Protect from thunder showers. Protect from after winds (loo).
Pig	except the young • Skin disease		•	De-worm with Albendazole @7.5 mg/kg b.wt.
			•	Sprayer of <i>Anti-Psoroptic</i> may be used.
	ones	Management		Breeding must be advocated continuously. Protect from thunder showers especially during night.
e	All age groups excepts the young ones	Vaccination		Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
		Deworming Care & Management		De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
				Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
Fishery				
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Type of Farming	Stage	Management)	ological advisories
Carp culture	Breeding	pond	0.5 - 0.7 ml/	
	Hatcheries	water	hatcheries. A	
	Nurseries	ponds		30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m. ould be given@5-10% body weight/day.
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Field Crops	T ~.	T =	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Panicle initiation to flowering (Pre- kharif rice)	Sheath blight/ sheath rot	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains Apply Propiconazole @ 15ml/ 15 litres water after rains.
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Sheep/ Goat	All age groups	Vaccination		If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
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Carp culture	Breeding	pond	0.5 - 0.7 ml/	
	Hatcheries	water	hatcheries. A	
	Nurseries	ponds		30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m. ould be given@5-10% body weight/day.
	Carp diseases	Argulus (fish lice) infection		Il the fishes and give a bath treatment for 15 min per day in a solution of 1g stassium permanganate) in 10 litres of water for 5-7 days. hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste

soaked overnight.

fishes.

EUS (Epizostic Ulcerative

Syndrome)



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Imphal West

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th June, 2018)

Observed **28.6 mm** rainfall with **mainly cloudy to overcast sky** but **partly cloudy** during morning hours of 8th & 9th June. Maximum temperature recorded ranged from **26.0** to **32.4** °C and minimum of **21.7** to **23.4** °C with mean relative humidity **84.3** % max and **74.5** % min was recorded in the past four days with average wind speed was **2.8-6.6** km/ hr.

Weather forecast for next five days of Imphal West (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 24-26 °C & minimum temp. 19-21 °C. Relative humidity may remain in the range 76 - 100 %. The average wind speed may be 0-2 km/hr.

Field Crops	T ~:	T =	T
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Panicle initiation to flowering (Pre- kharif rice)	Sheath blight/ sheath rot	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)	Silcuti 10t	 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops	1	•	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		Proper staking system must be made to avoid fruits from touching soil. Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Chilli/ capsicum	Flowering and fruiting to harvesting		- In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains Harvest mature crops before rains.
Tomato	Fruiting to harvesting		Harvest mature crops before rains.Avoid water logging.



Manipur Centre, Lamphelpat, Imphal - 795 004





Name of bird/	Stage Stage	Disease ar			
animal		Manageme			
Poultry (Chicken/ Duck)	All age groups	Ranikhet diseas	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less that 21 days and through nasal route if it is older than 21 days.		
		Endoparasites	 De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry. 		
		Management	• Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.		
		Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.		
Sheep/ Goat	All age groups	Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Management	• Fly repellant must be used in the premises of the sheds.		
			 Protect from thunder showers. Protect from after winds (loo). 		
Pig			• De-worm with Albendazole @7.5 mg/kg b.wt.		
except the youn ones	except the young	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.		
	ones	Management	Breeding must be advocated continuously.		
			Protect from thunder showers especially during night.		
exc	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to saf the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day. 		
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.		
		Care & Manage	Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures		
Fishery					
			ht to avoid escape of fishes.		
Type of Farming	Stage	Management	Agro-metrological advisories		
Carp culture	Breeding	pond	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 - 0.7 ml/kg of fish.		
	Hatcheries	water	Hatching can be done in traditional happas having outer & inner happas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.		
	Nurseries	ponds	- Stock 20-30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m Feeding should be given@5-10% body weight/day.		
	Carp diseases	Argulus (fish lice) infection	 Remove all the fishes and give a bath treatment for 15 min per day in a solution of 1g KMnO₄ (Potassium permanganate) in 10 litres of water for 5-7 days. Treat one hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste soaked overnight. 		
		EUS (Epizostic Ulcerative Syndrome)	soaked overnight. - Spray CIFAX @ 1 litre/ 100 litre of water for one hectare fish pond with EUS infecte fishes.		

Syndrome)



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Senapati

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(8^{th} \ to \ 11^{th} \ June, \ 2018)$

Observed **28.6 mm** rainfall with **mainly cloudy to overcast sky** but **partly cloudy** during morning hours of 8th & 9th June. Maximum temperature recorded ranged from **26.0** to **32.4** °C and minimum of **21.7** to **23.4** °C with mean relative humidity **84.3** % max and **74.5** % min was recorded in the past four days with average wind speed was **2.8-6.6** km/ hr.

Weather forecast for next five days of Senapati (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 22-23 °C & minimum temp. 17-18 °C. Relative humidity may reach up to 100 %(Max) and 95 % (Min). The average wind speed may be 2-3 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
•	Panicle initiation to flowering (Pre- kharif rice)	Sheath blight/ sheath rot	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)	Siculi 100	 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		- Proper staking system must be made to avoid fruits from touching soil Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		- Weeding and earthing up may be done after the wet spell Avoid water logging After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.

EUS (Epizostic Ulcerative

Syndrome)

fishes.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





				be constructed well around the birds or animals sheds to avoid water logging.		
Name of bird/ animal	Stage	Disease and Management		Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		 Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days. 		
		Endoparasites		De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
		Management		• Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.		
		 Coccidiosis 		Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.		
Sheep/ Goat	All age groups	Vaccination		• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Management		• Fly repellant must be used in the premises of the sheds.		
				Protect from thunder showers. Protect from after winds (loo).		
Pig				• De-worm with Albendazole @7.5 mg/kg b.wt.		
	except the young ones	• Skin disease • Management		• Sprayer of <i>Anti-Psoroptic</i> may be used.		
	ones			 Breeding must be advocated continuously. Protect from thunder showers especially during night. 		
exc	All age groups excepts the young ones	Vaccination Deworming Care & Management		 Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day. 		
				• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.		
				Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures		
Fishery						
	with happa net or raise					
Type of Farming	Stage	Management	J	netrological advisories		
Carp culture	Breeding	pond	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders 0.5 - 0.7 ml/kg of fish.			
	Hatcheries	water	hatcheri not be g	g can be done in traditional happas having outer & inner happas or circular es. A mild current with fine shower is needed for circular hatcheries. Feed should iven for 3 days.		
	Nurseries	ponds	Feeding	20-30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m. should be given@5-10% body weight/day.		
	Carp diseases	Argulus (fish lice) infection	KMnO ₄	 Remove all the fishes and give a bath treatment for 15 min per day in a solution of 1g KMnO₄ (Potassium permanganate) in 10 litres of water for 5-7 days. Treat one hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste 		
		FIIC		OVERNY @ 11'4 /1001'4 C 4 C 1 4 C'1 1 '4 FIIG' C 4 I		



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Tamenglong

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th June, 2018)

Observed **28.6 mm** rainfall with **mainly cloudy to overcast sky** but **partly cloudy** during morning hours of 8th & 9th June. Maximum temperature recorded ranged from **26.0** to **32.4** °C and minimum of **21.7** to **23.4** °C with mean relative humidity **84.3** % max and **74.5** % min was recorded in the past four days with average wind speed was **2.8-6.6** km/ hr.

Weather forecast for next five days of Tamenglong (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 23-24 °C & minimum temp. 18-19 °C. Relative humidity may reach up to 100 %(Max) and 97 % (Min). The average wind speed may be 2 km/hr.

Field Crops	T ~:	T =	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Panicle initiation to flowering (Pre- kharif rice)	Sheath blight/ sheath rot	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)	Siculi 100	 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops	1	•	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		- Proper staking system must be made to avoid fruits from touching soil Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Chilli/ capsicum	Flowering and fruiting to harvesting		- In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains Harvest mature crops before rains.
Tomato	Fruiting to harvesting		- Harvest mature crops before rains Avoid water logging.



Manipur Centre, Lamphelpat, Imphal - 795 004





* Provide clean	drinking water for bird	ls and animals. Drain	nage may be	constructed well around the birds or animals sheds to avoid water logging.	
Name of bird/ animal	Stage	Disease an Manageme	nd	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.	
,		Endoparasites		• De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.	
		Management		• Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.	
		Coccidiosis		• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.	
Sheep/ Goat	All age groups	Vaccination		• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.	
		Management		 Fly repellant must be used in the premises of the sheds. Protect from thunder showers. Protect from after winds (loo). 	
Pig	All age groups	De-worming		• De-worm with Albendazole @7.5 mg/kg b.wt.	
	except the young	Skin disease		• Sprayer of <i>Anti-Psoroptic</i> may be used.	
	ones	Management		 Breeding must be advocated continuously. Protect from thunder showers especially during night. 	
Cattle	All age groups excepts the young ones	Vaccination		 Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day. 	
		Deworming Care & Management		• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
				• Mixture of mineral/salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures	
Fishery					
	with happa net or raise				
Type of Farming	Stage	Management	Agro-metrological advisories		
Carp culture	Breeding	pond	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders 0.5 - 0.7 ml/kg of fish.		
	Hatcheries	water	Hatching can be done in traditional happas having outer & inner happas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed sho not be given for 3 days.		
	Nurseries	ponds	- Stock 20-30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m Feeding should be given@5-10% body weight/day.		
	Carp diseases	Argulus (fish lice) infection	 Remove all the fishes and give a bath treatment for 15 min per day in a solution of 1 KMnO₄ (Potassium permanganate) in 10 litres of water for 5-7 days. Treat one hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste 		

soaked overnight.

fishes.

EUS (Epizostic Ulcerative

Syndrome)



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Thoubal

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(8^{th}\ to\ 11^{th}\ June,\ 2018)$

Observed **28.6 mm** rainfall with **mainly cloudy to overcast sky** but **partly cloudy** during morning hours of 8th & 9th June. Maximum temperature recorded ranged from **26.0** to **32.4** °C and minimum of **21.7** to **23.4** °C with mean relative humidity **84.3** % max and **74.5** % min was recorded in the past four days with average wind speed was **2.8-6.6** km/ hr.

Weather forecast for next five days of Thoubal (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 25-27 °C & minimum temp. 20-22 °C. Relative humidity may reach up to 100 %(Max) and 97 % (Min). The average wind speed may be 0-2 km/hr.

Field Crops	T ~:	T =	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Panicle initiation to flowering (Pre- kharif rice)	Sheath blight/ sheath rot	- Construct bands around the crop field to maintain water level at 5-8 cm Drain out excess water due to heavy rains Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)	Siculi 100	 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops	1	•	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		- Proper staking system must be made to avoid fruits from touching soil Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Chilli/ capsicum	Flowering and fruiting to harvesting		- In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains Harvest mature crops before rains.
Tomato	Fruiting to harvesting		- Harvest mature crops before rains Avoid water logging.



Manipur Centre, Lamphelpat, Imphal - 795 004





* Provide clean	drinking water for bird	ls and animals. Drain	nage may be	constructed well around the birds or animals sheds to avoid water logging.	
Name of bird/ animal	Stage	Disease an Manageme	nd	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.	
,		Endoparasites		• De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.	
		Management		• Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.	
		Coccidiosis		• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.	
Sheep/ Goat	All age groups	Vaccination		• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.	
		Management		 Fly repellant must be used in the premises of the sheds. Protect from thunder showers. Protect from after winds (loo). 	
Pig	All age groups	De-worming		• De-worm with Albendazole @7.5 mg/kg b.wt.	
	except the young	Skin disease		• Sprayer of <i>Anti-Psoroptic</i> may be used.	
	ones	Management		 Breeding must be advocated continuously. Protect from thunder showers especially during night. 	
Cattle	All age groups excepts the young ones	Vaccination		 Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day. 	
		Deworming Care & Management		• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
				• Mixture of mineral/salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures	
Fishery					
	with happa net or raise				
Type of Farming	Stage	Management	Agro-metrological advisories		
Carp culture	Breeding	pond	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders 0.5 - 0.7 ml/kg of fish.		
	Hatcheries	water	Hatching can be done in traditional happas having outer & inner happas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed sho not be given for 3 days.		
	Nurseries	ponds	- Stock 20-30 lakhs spawns in one hectare water. Water depth should be more than 1.0 m Feeding should be given@5-10% body weight/day.		
	Carp diseases	Argulus (fish lice) infection	 Remove all the fishes and give a bath treatment for 15 min per day in a solution of 1 KMnO₄ (Potassium permanganate) in 10 litres of water for 5-7 days. Treat one hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste 		

soaked overnight.

fishes.

EUS (Epizostic Ulcerative

Syndrome)



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

12th June, 2018

Ukhrul

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 13th to 17th June, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th June, 2018)

Observed **28.6 mm** rainfall with **mainly cloudy to overcast sky** but **partly cloudy** during morning hours of 8th & 9th June. Maximum temperature recorded ranged from **26.0** to **32.4** °C and minimum of **21.7** to **23.4** °C with mean relative humidity **84.3** % max and **74.5** % min was recorded in the past four days with average wind speed was **2.8-6.6** km/hr.

Weather forecast for next five days of Ukhrul (13th to 17th June, 2018)

Likely to have widespread heavy to very heavy rains upto Thursday then light rains during next five days and mainly cloudy to overcast sky with maximum temp. 23-24 °C & minimum temp. 18-19 °C. Relative humidity may reach up to 100 %(Max) and 97 % (Min). The average wind speed may be 2-3 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Panicle initiation		- Construct bands around the crop field to maintain water level at 5-8 cm.
	to flowering (Pre-		- Drain out excess water due to heavy rains.
	kharif rice)	Sheath blight/ sheath rot	- Apply Propiconazole @ 15ml/ 15 litres water after rains.
Rice	Nursery and land preparation of main field (Kharif rice)		 Recommended varieties: RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Seeds for nursery may be sown after rains. Land preparation of main field may be done after rains for transplanting rice seedling and submerge it for 15- 20 days. Apply 65 kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling before transplanting.
Kharif Maize	Sowing		- Sowing may be done after rains.
Soybean	Sowing		- Sow seed after rains @ 40-45 kg/ha or 10-11.3 kg of seed/ sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing		- Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds after rains at spacing 30cm x 15cm after rains. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram/ Rice Bean	Sowing		- Sowing may be done after rains by broadcasting or dibbling. Plot must be kept weed free to avoid insect/ pest.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering, Fruiting and Harvesting		Proper staking system must be made to avoid fruits from touching soil. Harvest mature crops before rains.
Ginger/ Turmeric	Vegetative	Leaf Spot	To prevent Leaf Spot disease, after rains apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. - Avoid water logging.
Colocassia	Vegetative		 - Weeding and earthing up may be done after the wet spell. - Avoid water logging. - After rains, 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.



Manipur Centre, Lamphelpat, Imphal - 795 004





* Provide clean	drinking water for bird	ls and animals. Drain	nage may be	constructed well around the birds or animals sheds to avoid water logging.	
Name of bird/ animal	Stage	Disease an Manageme	nd	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Ranikhet disease		• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.	
,		Endoparasites		• De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.	
		Management		• Do not allow to consume muddy water to protect from E.coli infection. Use water sanitizer.	
		Coccidiosis		• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.	
Sheep/ Goat	All age groups	Vaccination		• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.	
		Management		 Fly repellant must be used in the premises of the sheds. Protect from thunder showers. Protect from after winds (loo). 	
Pig	All age groups	De-worming		• De-worm with Albendazole @7.5 mg/kg b.wt.	
	except the young	Skin disease		• Sprayer of <i>Anti-Psoroptic</i> may be used.	
	ones	Management		 Breeding must be advocated continuously. Protect from thunder showers especially during night. 	
Cattle	All age groups excepts the young ones	Vaccination		 Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Cases of H.S. may be encountered during this period. Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day. 	
		Deworming Care & Management		• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
				• Mixture of mineral/salts should be added in the feed/water to avoid loss of essential body salts. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures	
Fishery					
	with happa net or raise				
Type of Farming	Stage	Management	Agro-metrological advisories		
Carp culture	Breeding	pond	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders 0.5 - 0.7 ml/kg of fish.		
	Hatcheries	water	Hatching can be done in traditional happas having outer & inner happas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed sho not be given for 3 days.		
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	Carp diseases	Argulus (fish lice) infection	 Remove all the fishes and give a bath treatment for 15 min per day in a solution of 1 KMnO₄ (Potassium permanganate) in 10 litres of water for 5-7 days. Treat one hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste 		

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