

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6th to 9th April, 2018)

Observed 17.1 mm rainfall with mainly cloudy to overcast sky and mainly clear sky during afternoon hours of 9th April. Maximum temperature recorded ranged from 26.6 to 27.8 °C and minimum of 14.5 to 17.2 °C with mean relative humidity 85.5 % max and 56.5 % min was recorded in the past four days.

Weather forecast for next five days of Bishnupur (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 30 °C & minimum temp. 15-16 °C. Relative humidity may reach up to 100 % (max RH) & 63 % (min RH). The average wind speed may be 2-4 km/hr.

* Harvest rain water			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Vegetative		- Drainage and bunds may be constructed well for maintaining water level in the crop field. Drain out excess rain water if accumulated in the field. - Water depth may be maintained at 5-8 cm.
Rabi Maize	Vegetative to pre- flowering		- Drainage may be constructed well to avoid water logging in and around the crop field.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		 Collect good quality seeds from reliable source for sowing. Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram mabe started. Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
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 proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
		d water logging in and a	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Flowering	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	Planting		It is right time for collection of terminal cuttings (pencil thickness) for passion fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of distilled water) for 5 mins and place the cutting in polybags filled with soil, sand & FYM in the ratio 2:1:1 in slanting position.
Khasi Mandarin	For grown up		For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Kachai Lemon	For grown up		For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plan along with 30 kg cowdung manure compost in the soil surrounding the plant.
Cucurbits	Transplanting to vegetative		- Construct proper drainage system to avoid water logging in and around th crop field. Drain out excess water.
		Red Pumpkin Beetle	If Red Pumpkin Beetle infestation is observed, Carbaryl (0.2%) of Chloropyriphos (0.05%) may be sprayed or use Methyl Euginol as trap @ 4-1 traps/ sangam.
Onion	Bulb maturity	Thrips/ leaf minor	- Spray Dichlorovos 36 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
		Bulb rot	- Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylacti measure against Bulb rot in the crops grown in shed.
Tomato	Fruiting	Fruit borer	- Spray Sixer @ 2 gm/litre of water or Rakhwala (Biopesticide) @ 1.5-2 gm/ litre of water. After 2-3 days spray a dose of Dichlorovos 76 @ 0.5 ml/litre of water or Blackdog against borer @ 0.75ml/litre of water.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia.



fish culture

Cat fish

(Ngakra)

Field

Fish

Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Animal Science Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal	Stage	Management Management	Agro-inctcorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease. Vaccinate the flock
(Chicken/			using Lasota strain vaccine through ocular route if the age of chick is less than
Duck)			21 days and through nasal route if it is older than 21 days.
		 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. this must be done during this month.
			PPR immunization must be done once in every three years.
		Management	• Fly repellant must be used in the premises of the sheds
			• insecticides
Pig	All age groups	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young ones	Vaccination	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			Adequate care must be ensured for protecting from untimely strong rain/wind
	ntion: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
•			and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
			weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%

Pond water may be replenished with fresh water maintaining a depth of 1m.

Male and female brooder fishes may be segregated for breeding operations.

Well balanced feed may be fed @ 3-5% body weight/day.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6^{th} to 9^{th} April, 2018)

Observed 17.1 mm rainfall with mainly cloudy to overcast sky and mainly clear sky during afternoon hours of 9th April. Maximum temperature recorded ranged from 26.6 to 27.8 °C and minimum of 14.5 to 17.2 °C with mean relative humidity 85.5 % max and 56.5 % min was recorded in the past four days.

Weather forecast for next five days of Chandel (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 29 °C & minimum temp. 15 °C. Relative humidity may reach up to 83 % (max RH) & 35 % (min RH). The average wind speed may be 3-5 km/hr.

* Harvest rain water	·		
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Vegetative		- Drainage and bunds may be constructed well for maintaining water level in the crop field. Drain out excess rain water if accumulated in the field Water depth may be maintained at 5-8 cm.
Rabi Maize	Vegetative to pre- flowering		- Drainage may be constructed well to avoid water logging in and around the crop field.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		 Collect good quality seeds from reliable source for sowing. Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started. Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
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 proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
** Drainage may be co	onstructed well to avoid	l water logging in and a	round the crop field.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Flowering	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	Planting		It is right time for collection of terminal cuttings (pencil thickness) for passion fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of distilled water) for 5 mins and place the cutting in polybags filled with soil, sand & FYM in the ratio 2:1:1 in slanting position.
Khasi Mandarin	For grown up		For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Kachai Lemon	For grown up		For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Cucurbits	Transplanting to vegetative	Red Pumpkin Beetle	- Construct proper drainage system to avoid water logging in and around the crop field. Drain out excess water. If Red Pumpkin Beetle infestation is observed, Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed or use Methyl Euginol as trap @ 4-10 traps/ sangam.
Onion	Bulb maturity	Thrips/ leaf minor Bulb rot	 Spray Dichlorovos 36 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage. Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylactic measure against Bulb rot in the crops grown in shed.
Tomato	Fruiting	Fruit borer	- Spray Sixer @ 2 gm/litre of water or Rakhwala (Biopesticide) @ 1.5-2 gm/ litre of water. After 2-3 days spray a dose of Dichlorovos 76 @ 0.5 ml/litre of water or Black dog against borer @ 0.75ml/litre of water.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia.



fish culture

Cat fish

(Ngakra)

Field

Fish

Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Animal Science Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal	Stage	Management Management	Agro-inctcorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease. Vaccinate the flock
(Chicken/			using Lasota strain vaccine through ocular route if the age of chick is less than
Duck)			21 days and through nasal route if it is older than 21 days.
		 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. this must be done during this month.
			PPR immunization must be done once in every three years.
		Management	• Fly repellant must be used in the premises of the sheds
			• insecticides
Pig	All age groups	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young ones	 Vaccination 	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			Adequate care must be ensured for protecting from untimely strong rain/wind
	ntion: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
•			and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
			weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%

Pond water may be replenished with fresh water maintaining a depth of 1m.

Male and female brooder fishes may be segregated for breeding operations.

Well balanced feed may be fed @ 3-5% body weight/day.



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MANIPUR BULLETIN

10th April, 2018

Churachandpur

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Weather forecast for next five days of Churachandpur (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 29 °C & minimum temp. 15 °C. Relative humidity may reach up to 96 % (max RH) & 53 % (min RH). The average wind speed may be 4-6 km/hr.

* Harvest rain water			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Vegetative		- Drainage and bunds may be constructed well for maintaining water level in the crop field. Drain out excess rain water if accumulated in the field. - Water depth may be maintained at 5-8 cm.
Rabi Maize	Vegetative to pre- flowering		- Drainage may be constructed well to avoid water logging in and around the crop field.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		 Collect good quality seeds from reliable source for sowing. Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started. Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
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 proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
		d water logging in and a	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Flowering	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	Planting		It is right time for collection of terminal cuttings (pencil thickness) for passion fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of distilled water) for 5 mins and place the cutting in polybags filled with soil, sand & FYM in the ratio 2:1:1 in slanting position.
Khasi Mandarin	For grown up		For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Kachai Lemon	For grown up		For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Cucurbits	Transplanting to vegetative	Red Pumpkin Beetle	- Construct proper drainage system to avoid water logging in and around the crop field. Drain out excess water. If Red Pumpkin Beetle infestation is observed, Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed or use Methyl Euginol as trap @ 4-10
Onion	Bulb maturity	Thrips/ leaf minor	traps/ sangam. - Spray Dichlorovos 36 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
		Bulb rot	- Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylactic measure against Bulb rot in the crops grown in shed.
Tomato	Fruiting	Fruit borer	- Spray Sixer @ 2 gm/litre of water or Rakhwala (Biopesticide) @ 1.5-2 gm/ litre of water. After 2-3 days spray a dose of Dichlorovos 76 @ 0.5 ml/litre of water or Black dog against borer @ 0.75ml/litre of water.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia.



fish culture

Cat fish

(Ngakra)

Field

Fish

Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Animal Science Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal	Stage	Management Management	Agro-inctcorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease. Vaccinate the flock
(Chicken/			using Lasota strain vaccine through ocular route if the age of chick is less than
Duck)			21 days and through nasal route if it is older than 21 days.
		 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. this must be done during this month.
			PPR immunization must be done once in every three years.
		Management	• Fly repellant must be used in the premises of the sheds
			• insecticides
Pig	All age groups	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young ones	 Vaccination 	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			Adequate care must be ensured for protecting from untimely strong rain/wind
	ntion: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
•			and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
			weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%

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"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 2018

Imphal East

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Weather forecast for next five days of Imphal East (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 29 °C & minimum temp. 15 °C. Relative humidity may reach up to 96 % (max RH) & 53 % (min RH). The average wind speed may be 4-6 km/hr.

* Harvest rain water			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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Cucurbits	Transplanting to vegetative		- Construct proper drainage system to avoid water logging in and around th crop field. Drain out excess water.
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		Bulb rot	- Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylacti measure against Bulb rot in the crops grown in shed.
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Colocasia	Land preparation for planting		- Prepare land for planting colocasia.



fish culture

Cat fish

(Ngakra)

Field

Fish

Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





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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. this must be done during this month.
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	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			Adequate care must be ensured for protecting from untimely strong rain/wind
	ntion: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
•			and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
			weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%

Pond water may be replenished with fresh water maintaining a depth of 1m.

Male and female brooder fishes may be segregated for breeding operations.

Well balanced feed may be fed @ 3-5% body weight/day.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6^{th} to 9^{th} April, 2018)

Observed 17.1 mm rainfall with mainly cloudy to overcast sky and mainly clear sky during afternoon hours of 9th April. Maximum temperature recorded ranged from 26.6 to 27.8 °C and minimum of 14.5 to 17.2 °C with mean relative humidity 85.5 % max and 56.5 % min was recorded in the past four days.

Weather forecast for next five days of Imphal West (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 29 °C & minimum temp. 15 °C. Relative humidity may reach up to 100 % (max RH) & 48 % (min RH). The average wind speed may be 0-2 km/hr.

* Harvest rain water	:		
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Vegetative		 Drainage and bunds may be constructed well for maintaining water level in the crop field. Drain out excess rain water if accumulated in the field. Water depth may be maintained at 5-8 cm.
Rabi Maize	Vegetative to pre- flowering		- Drainage may be constructed well to avoid water logging in and around the crop field.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		 Collect good quality seeds from reliable source for sowing. Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started. Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
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 proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
		d water logging in and a	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Flowering	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	Planting		It is right time for collection of terminal cuttings (pencil thickness) for passion fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of distilled water) for 5 mins and place the cutting in polybags filled with soil, sand & FYM in the ratio 2:1:1 in slanting position.
Khasi Mandarin	For grown up		For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Kachai Lemon	For grown up		For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Cucurbits	Transplanting to vegetative		- Construct proper drainage system to avoid water logging in and around the crop field. Drain out excess water.
		Red Pumpkin Beetle	If Red Pumpkin Beetle infestation is observed, Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed or use Methyl Euginol as trap @ 4-10 traps/ sangam.
Onion	Bulb maturity	Thrips/ leaf minor	- Spray Dichlorovos 36 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
		Bulb rot	- Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylactic measure against Bulb rot in the crops grown in shed.
Tomato	Fruiting	Fruit borer	- Spray Sixer @ 2 gm/litre of water or Rakhwala (Biopesticide) @ 1.5-2 gm/litre of water. After 2-3 days spray a dose of Dichlorovos 76 @ 0.5 ml/litre of water or Black dog against borer @ 0.75ml/litre of water.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia.



fish culture

Cat fish

(Ngakra)

Field

Fish

Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Animal Science Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal	Stage	Management Management	Agro-inctcorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease. Vaccinate the flock
(Chicken/			using Lasota strain vaccine through ocular route if the age of chick is less than
Duck)			21 days and through nasal route if it is older than 21 days.
		 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. this must be done during this month.
			PPR immunization must be done once in every three years.
		Management	• Fly repellant must be used in the premises of the sheds
			• insecticides
Pig	All age groups	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young ones	 Vaccination 	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			Adequate care must be ensured for protecting from untimely strong rain/wind
	ntion: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
•			and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
			weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%

Pond water may be replenished with fresh water maintaining a depth of 1m.

Male and female brooder fishes may be segregated for breeding operations.

Well balanced feed may be fed @ 3-5% body weight/day.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6th to 9th April, 2018)

Observed 17.1 mm rainfall with mainly cloudy to overcast sky and mainly clear sky during afternoon hours of 9th April. Maximum temperature recorded ranged from 26.6 to 27.8 °C and minimum of 14.5 to 17.2 °C with mean relative humidity 85.5 % max and 56.5 % min was recorded in the past four days.

Weather forecast for next five days of Senapati (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 26 °C & minimum temp. 13-16 °C. Relative humidity may reach up to 99 % (max RH) & 54 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops					
* Harvest rain	water				
Name of the		Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif Ric		Vegetative		T est und dispense	- Drainage and bunds may be constructed well for maintaining water level in the crop field. Drain out excess rain water if accumulated in the field. - Water depth may be maintained at 5-8 cm.
Rabi Maize		Vegetative to proceed to the flowering	ore-		- Drainage may be constructed well to avoid water logging in and around the crop field.
Soybean/ Groundnut/ Blackgram/ Redgram		Seed collection Land preparati			 Collect good quality seeds from reliable source for sowing. Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started. Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
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 proper. Spray Malathion 1% on the walls of stores.
Horticulture C	rops				
** Drainage may	y be cor	nstructed well to	avoid	l water logging in and a	round the crop field.
Name of the ca	rop	Stage		Pest and disease	Agro-meteorological advisories
Mango		Flowering		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	ruit Planting				It is right time for collection of terminal cuttings (pencil thickness) for passion fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of distilled water) for 5 mins and place the cutting in polybags filled with soil, sand & FYM in the ratio 2:1:1 in slanting position.
Khasi Manda	rin	For grown up			For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Kachai Lemon	n	For grown up			For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.
Colocasia		Land preparati for planting	on		- Prepare land for planting colocasia.
Animal Science	es				
Name of bird/ animal		Stage		Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups			anikhet disease	• Strongly advise 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.
	•		Coccidiosis		• Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	Sheep/ Goat All ag			accination	 If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. this must be done during this month. PPR immunization must be done once in every three years.
			• M	anagement	 Fly repellant must be used in the premises of the sheds insecticides



Manipur Centre, Lamphelpat, Imphal - 795 004





Pig	All age groups	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young	Vaccination	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
Cattle	All age groups	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
	excepts the young		Cases of H.S. may be encountered during this period
	ones		• Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
		_	Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			• Adequate care must be ensured for protecting from untimely strong rain/wind
Fodder cultiva	ntion: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3
			splits.
Paddy cum	Field		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%
fish culture			of the rice field can be converted into trenches/ditch/channels for paddy cum fish
C 4 6° 1	Danid and make		culture.
Cat fish	Pond and water Fish		Pond water may be replenished with fresh water maintaining a depth of 1m. Male and female brooder fishes may be segregated for breeding operations.
(Ngakra)	Feed		Well balanced feed may be fed @ 3-5% body weight/day.
	1.ceu		wen balanced feed flay be fed & 3-3% body weight/day.

(I. Meghachandra Singh) Scientist i/c, GKMS



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6^{th} to 9^{th} April, 2018)

Observed **17.1 mm** rainfall with **mainly cloudy to overcast sky and mainly clear** sky during afternoon hours of 9th April. Maximum temperature recorded ranged from **26.6** to **27.8** °C and minimum of **14.5** to **17.2** °C with mean relative humidity **85.5** % max and **56.5** % min was recorded in the past four days.

Weather forecast for next five days of Tamenglong (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 26 °C & minimum temp. 13-16 °C. Relative humidity may reach up to 98 % (max RH) & 50 % (min RH). The average wind speed may be 2-3 km/hr.

* Harvest rain water			
		D (1.11	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
			- Drainage and bunds may be constructed well for maintaining water level in the
Pre-kharif Rice	Vegetative		crop field. Drain out excess rain water if accumulated in the field.
			- Water depth may be maintained at 5-8 cm.
Rabi Maize	Vegetative to pre-		- Drainage may be constructed well to avoid water logging in and around the
	flowering		crop field.
Soybean/			- Collect good quality seeds from reliable source for sowing.
Groundnut/	Seed collection to		- Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may
Blackgram/	Land preparation		be started.
Redgram			- Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing
			thoroughly in the soil 1 - 2 weeks before sowing.
			For seed purpose store the seeds in RC-Seed Bin after proper drying and
	Post harvest		cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for
Seeds storage	management		moisture content or weight of charcoal and dry if required.
			For grains, store grains in well ventilated godowns after drying proper. Spray
			Malathion 1% on the walls of stores.
Horticulture Crops			
** Drainage may be co	onstructed well to avoid	d water logging in and a	round the crop field.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Flowering	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	Planting		It is right time for collection of terminal cuttings (pencil thickness) for passion
			fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of
			distilled water) for 5 mins and place the cutting in polybags filled with soil, sand
			& FYM in the ratio 2:1:1 in slanting position.
Khasi Mandarin	For grown up		For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per
	,		plant along with 30 kg cowdung manure compost in the soil surrounding the
			plant.
Kachai Lemon	For grown up		For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant
			along with 30 kg cowdung manure compost in the soil surrounding the plant.
	TD 1		
Cucurbits	Transplanting to		- Construct proper drainage system to avoid water logging in and around the
	vegetative	D 1D 11	crop field. Drain out excess water.
		Red Pumpkin	If Red Pumpkin Beetle infestation is observed, Carbaryl (0.2%) or
		Beetle	Chloropyriphos (0.05%) may be sprayed or use Methyl Euginol as trap @ 4-10
<u> </u>			traps/ sangam.
Onion	Bulb maturity	Thrips/ leaf minor	- Spray Dichlorovos 36 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of
		D. II	water to the crop during bulb formation stage.
		Bulb rot	- Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylactic
TD.	E 'd'	F '-1	measure against Bulb rot in the crops grown in shed.
Tomato	Fruiting	Fruit borer	- Spray Sixer @ 2 gm/litre of water or Rakhwala (Biopesticide) @ 1.5-2 gm/litre of
			water. After 2-3 days spray a dose of Dichlorovos 76 @ 0.5 ml/litre of water or Black
C-1	Lond mus		dog against borer @ 0.75ml/litre of water.
Colocasia	Land preparation		- Prepare land for planting colocasia.
	for planting		



fish culture

Cat fish

(Ngakra)

Field

Fish Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Name of bird/	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advise 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.
		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. this must be done during this month. PPR immunization must be done once in every three years.
		Management	 Fly repellant must be used in the premises of the sheds insecticides
Pig	All age groups	De-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young	Vaccination	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	 Mixture of mineral/ salts should be added in the feed. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures Adequate care must be ensured for protecting from untimely strong rain/wind
Fodder cultiva	ntion: Berseem/ Oat cre	op may be sown immediately	1 0 0
Fishery		sp may ee so wii immediately	•
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of the rice field can be converted into trenches/ditch/channels for paddy cum fish

Pond water may be replenished with fresh water maintaining a depth of 1m.

Male and female brooder fishes may be segregated for breeding operations.

Well balanced feed may be fed @ 3-5% body weight/day.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6^{th} to 9^{th} April, 2018)

Observed 17.1 mm rainfall with mainly cloudy to overcast sky and mainly clear sky during afternoon hours of 9th April. Maximum temperature recorded ranged from 26.6 to 27.8 °C and minimum of 14.5 to 17.2 °C with mean relative humidity 85.5 % max and 56.5 % min was recorded in the past four days.

Weather forecast for next five days of Thoubal (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 30 °C & minimum temp. 15-16 °C. Relative humidity may reach up to 93 % (max RH) & 43 % (min RH). The average wind speed may be 2-4 km/hr.

* Harvest rain water			
		D (1.11	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
			- Drainage and bunds may be constructed well for maintaining water level in the
Pre-kharif Rice	Vegetative		crop field. Drain out excess rain water if accumulated in the field.
			- Water depth may be maintained at 5-8 cm.
Rabi Maize	Vegetative to pre-		- Drainage may be constructed well to avoid water logging in and around the
	flowering		crop field.
Soybean/			- Collect good quality seeds from reliable source for sowing.
Groundnut/	Seed collection to		- Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may
Blackgram/	Land preparation		be started.
Redgram			- Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing
			thoroughly in the soil 1 - 2 weeks before sowing.
			For seed purpose store the seeds in RC-Seed Bin after proper drying and
	Post harvest		cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for
Seeds storage	management		moisture content or weight of charcoal and dry if required.
			For grains, store grains in well ventilated godowns after drying proper. Spray
			Malathion 1% on the walls of stores.
Horticulture Crops			
** Drainage may be co	onstructed well to avoid	d water logging in and a	round the crop field.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Flowering	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Passion fruit	Planting		It is right time for collection of terminal cuttings (pencil thickness) for passion
			fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of
			distilled water) for 5 mins and place the cutting in polybags filled with soil, sand
			& FYM in the ratio 2:1:1 in slanting position.
Khasi Mandarin	For grown up		For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per
	,		plant along with 30 kg cowdung manure compost in the soil surrounding the
			plant.
Kachai Lemon	For grown up		For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant
			along with 30 kg cowdung manure compost in the soil surrounding the plant.
	TD 1		
Cucurbits	Transplanting to		- Construct proper drainage system to avoid water logging in and around the
	vegetative	D 1D 11	crop field. Drain out excess water.
		Red Pumpkin	If Red Pumpkin Beetle infestation is observed, Carbaryl (0.2%) or
		Beetle	Chloropyriphos (0.05%) may be sprayed or use Methyl Euginol as trap @ 4-10
<u> </u>			traps/ sangam.
Onion	Bulb maturity	Thrips/ leaf minor	- Spray Dichlorovos 36 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of
		D. II	water to the crop during bulb formation stage.
		Bulb rot	- Spray Sixer/ (Mencozeb + Carbendazim) @ 2 gm/lit of water as prophylactic
TD.	E 'd'	F '-1	measure against Bulb rot in the crops grown in shed.
Tomato	Fruiting	Fruit borer	- Spray Sixer @ 2 gm/litre of water or Rakhwala (Biopesticide) @ 1.5-2 gm/litre of
			water. After 2-3 days spray a dose of Dichlorovos 76 @ 0.5 ml/litre of water or Black
C-1	Lond mus		dog against borer @ 0.75ml/litre of water.
Colocasia	Land preparation		- Prepare land for planting colocasia.
	for planting		



fish culture

Cat fish

(Ngakra)

Field

Fish Feed

Pond and water

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





Name of bird/	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advise 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.
		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. this must be done during this month. PPR immunization must be done once in every three years.
		Management	 Fly repellant must be used in the premises of the sheds insecticides
Pig	All age groups	De-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young	Vaccination	Vaccinate against FMD and Swine Fever.
	ones	Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
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.
		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	 Mixture of mineral/ salts should be added in the feed. Avoid the cattle from chiting/ biting by flies. Adopt tick control measures Adequate care must be ensured for protecting from untimely strong rain/wind
Fodder cultiva	ntion: Berseem/ Oat cre	op may be sown immediately	1 0 0
Fishery		sp may ee so wii immediately	•
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3

Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of the rice field can be converted into trenches/ditch/channels for paddy cum fish

Pond water may be replenished with fresh water maintaining a depth of 1m.

Male and female brooder fishes may be segregated for breeding operations.

Well balanced feed may be fed @ 3-5% body weight/day.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

10th April, 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 11th to 15th April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6^{th} to 9^{th} April, 2018)

Observed 17.1 mm rainfall with mainly cloudy to overcast sky and mainly clear sky during afternoon hours of 9th April. Maximum temperature recorded ranged from 26.6 to 27.8 °C and minimum of 14.5 to 17.2 °C with mean relative humidity 85.5 % max and 56.5 % min was recorded in the past four days.

Weather forecast for next five days of Ukhrul (11th to 15th April, 2018)

Likely to have scattered to fairly widespread thundery showers with squall during next five days and partly cloudy to overcast sky with maximum temp. 27 °C & minimum temp. 14 °C. Relative humidity may reach up to 87 % (max RH) & 38 % (min RH). The average wind speed may be 3-4 km/hr.

Field Crops						
* Harvest rain	water.					
Name of the o				Pest and disease	Agro-meteorological advisories	
Pre-kharif Rio		Vegetative			 Drainage and bunds may be constructed well for maintaining water level in the crop field. Drain out excess rain water if accumulated in the field. Water depth may be maintained at 5-8 cm. 	
Rabi Maize		Vegetative to place flowering	ore-		- Drainage may be constructed well to avoid water logging in and around the crop field.	
Soybean/ Groundnut/ Blackgram/ Redgram		Seed collection to Land preparation			 Collect good quality seeds from reliable source for sowing. Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started. Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing. 	
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 proper. Spray Malathion 1% on the walls of stores.	
Horticulture Crops						
** Drainage may	** Drainage may be constructed well to avoid water logging in and around the crop field.					
Name of the crop		Stage		Pest and disease	Agro-meteorological advisories	
Mango		Flowering		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.	
Passion fruit Planting				It is right time for collection of terminal cuttings (pencil thickness) for passion fruit. Dip the cuttings in 500 ppm IBA (IBA 100 mg dissolved in 20 ml of distilled water) for 5 mins and place the cutting in polybags filled with soil, sand & FYM in the ratio 2:1:1 in slanting position.		
Khasi Mandarin For grow		For grown up			For grown up Khasi Mandarin, apply 500g Urea, 1kg SSP & 400g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.	
Kachai Lemor	n For grown up				For grown up Kachai Lemon apply 350g Urea, 400g SSP & 300g MOP per plant along with 30 kg cowdung manure compost in the soil surrounding the plant.	
Colocasia	Land preparate for planting		on		- Prepare land for planting colocasia.	
Animal Scienc	es					
Name of bird/ animal	Stage		Disease and Management		Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups		Ranikhet disease		• Strongly advise 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.	
				occidiosis	• Give Amprolium @2 gms/ litre of drinking water for 5-7 days.	
Sheep/ Goat All age gr				accination	 If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. this must be done during this month. PPR immunization must be done once in every three years. 	
			Management		 Fly repellant must be used in the premises of the sheds insecticides 	



Manipur Centre, Lamphelpat, Imphal - 795 004





Pig	All age groups	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	except the young ones	Vaccination	Vaccinate against FMD and Swine Fever.
		Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		Management	Breeding must be advocated continuously
Cattle	All age groups	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
	excepts the young ones		 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.
		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	Mixture of mineral/ salts should be added in the feed.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures
			• Adequate care must be ensured for protecting from untimely strong rain/wind
Fodder cultiva	ation: Berseem/ Oat cre	op may be sown immediately	
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum	Field	1	Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40%
fish culture			of the rice field can be converted into trenches/ditch/channels for paddy cum fish
IIII Cuitui C			culture.
Cat fish	Pond and water		Pond water may be replenished with fresh water maintaining a depth of 1m.
(Ngakra)	Fish		Male and female brooder fishes may be segregated for breeding operations.
	Feed		Well balanced feed may be fed @ 3-5% body weight/day.

(I. Meghachandra Singh) Scientist i/c, GKMS