

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 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 10th to 14th March, 2018 as below:

Significant past weather for the preceding bi-weekly of	
Imphal - West (6 th to 8 th March, 2018)	

Observed fair to partly cloudy sky **no** rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Bishnupur (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 29-30 °C & minimum temp. 12-13 °C. Relative humidity may reach up to 96 % (max RH) & 39 % (min RH). The average wind speed may be 2-4 km/hr.

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting	Test and disease	 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre- flowering	Stem borer	 If the soil is dry, give light irrigation to maintain soil moisture status. Weeding may be done. To control the infestation of stem borer, apply few granules of Carbofurada 3G at maize whorl.
Potato	Maturity to harvesting		 For seed: Strict supervision on removal of unwanted plant type should be maintained. Maturity days should be strictly maintained as per variety. Harvest the crop after 10-15 days after haulm cutting.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying an cleaning of seeds along with dry charcoal at 80:20. Check for moisture conter or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spra Malathion 1% on the walls of stores.
Horticulture Crops			
	ation to passion fruit, p	oineapple and other fruit	t crops. Apply mulch with dry grass at the basin to conserve the soil moisture.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean/ Lime/ Lemon	Land preparation and collection of planting material		 Preparation of pits or field for planting tree bean/ lime/ lemon/ banana may be started. Collection of good planting material from reliable source may be done.
Ginger/ Turmeric Chilli/ capsicum	Planting Nursery		 - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x ft. Treat the seed rhizome with Captan (@ 2g/ lit water) or Mancozeb (@ 3g/ lit of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g
French bean	Sowing to vegetative		per litre of water to control the fungal attack. - Sowing of French bean may be done in prepared land. Seed rate for dwar varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) an







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Weather forecast for next five days of Chandel (10th to 14th March, 2018)

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▼ EDRING CHILLYGURDE, DRANGERI/ MAI CHUD HAY DE NUWH HIIHEHAIGIY.	Fodder cultiva	ation: Berseem/ Oat c	on may	v be sown immediately	1 0 0



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 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 10th to 14th March, 2018 as below:

Significant past weather for the preceding bi-weekly of
Imphal - West (6 th to 8 th March, 2018)

vegetative

Observed fair to partly cloudy sky **no** rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Churachandpur (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 29-30 °C & minimum temp. 11-12 °C. Relative humidity may reach up to 98 % (max RH) & 39 % (min RH). The average wind speed may be 4-5 km/hr.

varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) and

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

past timee days.			KIII) III.
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting	Test and disease	 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre- flowering	Stem borer	 If the soil is dry, give light irrigation to maintain soil moisture status. Weeding may be done. To control the infestation of stem borer, apply few granules of Carbofurada 3G at maize whorl.
Potato	Maturity to harvesting		 For seed: Strict supervision on removal of unwanted plant type should be maintained. Maturity days should be strictly maintained as per variety. Harvest the crop after 10-15 days after haulm cutting.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying an cleaning of seeds along with dry charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spra Malathion 1% on the walls of stores.
Horticulture Crops			
* Give life saving irriga	ation to passion fruit, p	pineapple and other fruit	t crops. Apply mulch with dry grass at the basin to conserve the soil moisture.
Name of the crop Tree bean/ Lime/ Lemon	Stage Land preparation and collection of planting material	Pest and disease	Agro-meteorological advisories - Preparation of pits or field for planting tree bean/ lime/ lemon/ banana may be started. - Collection of good planting material from reliable source may be done.
Ginger/ Turmeric	Planting		 While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Ures 375 kg SSP and 80 kg MOP. Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x ft. Treat the seed rhizome with Captan (@ 2g/ lit water) or Mancozeb (@ 3g/ l of water) for 15-20 minutes and keep under shed before planting.
Chilli/ capsicum	Nursery		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.
French bean	Sowing to		- Sowing of French bean may be done in prepared land. Seed rate for dwar







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▼ EDRING CHILLYGURDE, DRANGERI/ MAI CHUD HAY DE NUWH HIIHEHAIGIY.	Fodder cultiva	ation: Berseem/ Oat c	on may	v be sown immediately	1 0 0



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 2018

Imphal East

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 10th to 14th March, 2018 as below:

Significant past weather for the preceding bi-weekly of	
Imphal - West (6 th to 8 th March, 2018)	

Observed fair to partly cloudy sky **no** rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Imphal East (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 29-30 $^{\circ}$ C & minimum temp. 11-12 $^{\circ}$ C. Relative humidity may reach up to 98 % (max RH) & 39 % (min RH). The average wind speed may be 0-3 km/hr.

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting	Test and disease	 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre- flowering	Stem borer	 If the soil is dry, give light irrigation to maintain soil moisture status. Weeding may be done. To control the infestation of stem borer, apply few granules of Carbofurada 3G at maize whorl.
Potato	Maturity to harvesting		 For seed: Strict supervision on removal of unwanted plant type should be maintained. Maturity days should be strictly maintained as per variety. Harvest the crop after 10-15 days after haulm cutting.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying an cleaning of seeds along with dry charcoal at 80:20. Check for moisture conter or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spra Malathion 1% on the walls of stores.
Horticulture Crops			
	ation to passion fruit, p	oineapple and other fruit	t crops. Apply mulch with dry grass at the basin to conserve the soil moisture.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean/ Lime/ Lemon	Land preparation and collection of planting material		 Preparation of pits or field for planting tree bean/ lime/ lemon/ banana may be started. Collection of good planting material from reliable source may be done.
Ginger/ Turmeric Chilli/ capsicum	Planting Nursery		 - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x ft. Treat the seed rhizome with Captan (@ 2g/ lit water) or Mancozeb (@ 3g/ lit of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g
French bean	Sowing to vegetative		per litre of water to control the fungal attack. - Sowing of French bean may be done in prepared land. Seed rate for dwar varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) an







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▼ EDRING CHILLYGURDE, DRANGERI/ MAI CHUD HAY DE NUWH HIIHEHAIGIY.	Fodder cultiva	ation: Berseem/ Oat c	on may	v be sown immediately	1 0 0



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 2018

<u>Senapati</u>

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 10th to 14th March, 2018 as below:

Significant past weather for the preceding bi-weekly of
Imphal - West (6 th to 8 th March, 2018)

Observed fair to partly cloudy sky ${\bf no}$ rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Senapati (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 25-26 $^{\circ}$ C & minimum temp. 8-9 $^{\circ}$ C. Relative humidity may reach up to 96 % (max RH) & 39 % (min RH). The average wind speed may be 2-4 km/hr.

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

past tiffee days.			KIII/III.
Field Crops	1	_	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting		 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre-		If the soil is dry, give light irrigation to maintain soil moisture status.Weeding may be done.
Naoi Maize	flowering	Stem borer	- To control the infestation of stem borer, apply few granules of Carbofurada 3G at maize whorl.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying at cleaning of seeds along with dry charcoal at 80:20. Check for moisture conte or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spra Malathion 1% on the walls of stores.
Horticulture Crops	•		
* Give life saving irrigation	ation to passion fruit, p	pineapple and other fruit	t crops. Apply mulch with dry grass at the basin to conserve the soil moisture.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean/ Lime/	Land preparation		- Preparation of pits or field for planting tree bean/ lime/ lemon/ banana may be
Lemon	and collection of		started.
	planting material		- Collection of good planting material from reliable source may be done.
Ginger/ Turmeric	Planting		 While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Ure 375 kg SSP and 80 kg MOP. Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x ft. Treat the seed rhizome with Captan (@ 2g/ lit water) or Mancozeb (@ 3g/ lof water) for 15-20 minutes and keep under shed before planting.
Chilli/ capsicum	Nursery		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.
French bean	Sowing to vegetative		- Sowing of French bean may be done in prepared land. Seed rate for dwa varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) are



Manipur Centre, Lamphelpat, Imphal - 795 004





Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/		Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Duck)		Parasitic	Give Albendazole liquid @ 40 ml for 100 birds once only and half dose by next day is suggested.
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	 Avoid dampness to protect from Pneumonia. Increase energy feed by 5%.
Pig	All age groups except the young ones	Coccidial infection	Ofloxacine/Ornidazole (O2) tab twice daily for 5 days.
		De-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD and Swine Fever.
		Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
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

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



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 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 10^{th} to 14^{th} March, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (6th to 8th March, 2018)

Observed fair to partly cloudy sky **no** rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Tamenglong (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 27-28 °C & minimum temp. 9 °C. Relative humidity may reach up to 95 % (max RH) & 39 % (min RH). The average wind speed may be 3-4

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting		 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre-		If the soil is dry, give light irrigation to maintain soil moisture status.Weeding may be done.
August Williams	flowering	Stem borer	- To control the infestation of stem borer, apply few granules of Carbofuradar 3G at maize whorl.
Potato	Maturity to harvesting		 For seed: Strict supervision on removal of unwanted plant type should be maintained. Maturity days should be strictly maintained as per variety. Harvest the crop after 10-15 days after haulm cutting.
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. 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	I		
	ation to passion fruit, p	oineapple and other fruit	t crops. Apply mulch with dry grass at the basin to conserve the soil moisture.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean/ Lime/ Lemon	Land preparation and collection of planting material		 Preparation of pits or field for planting tree bean/ lime/ lemon/ banana may be started. Collection of good planting material from reliable source may be done.
Ginger/ Turmeric	Planting		 While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea 375 kg SSP and 80 kg MOP. Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed rhizome with Captan (@ 2g/ lit water) or Mancozeb (@ 3g/ lit of water) for 15-20 minutes and keep under shed before planting.
Chilli/ capsicum	Nursery		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.
French bean	Sowing to vegetative		- Sowing of French bean may be done in prepared land. Seed rate for dwar varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) and







Bhindi	Sowing to vegetative		- Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.
Cucurbits	Transplanting vegetative		- Transplant already raised 4-leaf stage seedlings under low cost polyhouse. If transplanted in open field then mulching materials like paddy straw should be used to protect young plants from cold. Light watering must be done for already transplanted seedlings during morning hours.
Onion	Bulb formation maturity	on to	During the bulb formation stage care should be taken that the neck portion is above the ground level.Light hoeing and irrigation is necessary to keep soil moist during this phase.
Tomato	Transplanting vegetative	g to Early blight	 Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - 25 to 30 days old tomato seedlings may be transplanted in prepared land
Animal Scienc	205		incorporated with well decomposed FYM at a spacing of 40-45cm x 50-60cm during evening/ cloudy day. Apply Sevin dust @ 2.5 – 5.0 g/ hill at the time of transplanting to protect the seedlings from caterpillar/ cutworm. Bleaching powder may also be applied @ 15kg/ ha to prevent bacterial wilt. - A light irrigation should be given just after transplanting.
Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal	Stage	Management	Agro-ineceorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/		Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Duck)		Parasitic	Give Albendazole liquid @ 40 ml for 100 birds once only and half dose by next day is suggested.
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	 Avoid dampness to protect from Pneumonia. Increase energy feed by 5%.
Pig	All age groups	Coccidial infection	• Ofloxacine/Ornidazole (O2) tab twice daily for 5 days.
	except the young	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	ones	Vaccination	Vaccinate against FMD and Swine Fever.
		Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
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
. E-11	stion, Dansagna/Oct on	op may be sown immediately	



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 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 10th to 14th March, 2018 as below:

ı	Significant past weather for the preceding bi-weekly of
	Imphal - West (6 th to 8 th March, 2018)

Observed fair to partly cloudy sky **no** rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Thoubal (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 29-30 °C & minimum temp. 12-13 °C. Relative humidity may reach up to 100 % (max RH) & 39 % (min RH). The average wind speed may be 0-4 km/hr.

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

past tiffee days.			+ KIII/III.
E: 11.0			
Field Crops Name of the crop	Ctoro	Pest and disease	A sup motopuological a deligados
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting		 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre-		If the soil is dry, give light irrigation to maintain soil moisture status.Weeding may be done.
	flowering	Stem borer	- To control the infestation of stem borer, apply few granules of Carbofurada 3G at maize whorl.
Potato	Maturity to harvesting		 For seed: Strict supervision on removal of unwanted plant type should be maintained. Maturity days should be strictly maintained as per variety. Harvest the crop after 10-15 days after haulm cutting.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying an cleaning of seeds along with dry charcoal at 80:20. Check for moisture conter or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spra Malathion 1% on the walls of stores.
Horticulture Crops	•	•	
* Give life saving irrigation	ation to passion fruit, p	ineapple and other frui	t crops. Apply mulch with dry grass at the basin to conserve the soil moisture.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean/ Lime/ Lemon	Land preparation and collection of		- Preparation of pits or field for planting tree bean/ lime/ lemon/ banana may be started.
Ginger/ Turmeric	planting material Planting		 Collection of good planting material from reliable source may be done. While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea 375 kg SSP and 80 kg MOP. Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x ft. Treat the seed rhizome with Captan (@ 2g/ lit water) or Mancozeb (@ 3g/ lit of water) for 15-20 minutes and keep under shed before planting.
Chilli/ capsicum	Nursery		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.
French bean	Sowing to vegetative		- Sowing of French bean may be done in prepared land. Seed rate for dwar varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) an







Bhindi	Sowing to vegetative		- Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.
Cucurbits	Transplanting vegetative		- Transplant already raised 4-leaf stage seedlings under low cost polyhouse. If transplanted in open field then mulching materials like paddy straw should be used to protect young plants from cold. Light watering must be done for already transplanted seedlings during morning hours.
Onion	Bulb formation maturity	on to	During the bulb formation stage care should be taken that the neck portion is above the ground level.Light hoeing and irrigation is necessary to keep soil moist during this phase.
Tomato	Transplanting vegetative	g to Early blight	 Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - 25 to 30 days old tomato seedlings may be transplanted in prepared land
Animal Scienc	205		incorporated with well decomposed FYM at a spacing of 40-45cm x 50-60cm during evening/ cloudy day. Apply Sevin dust @ 2.5 – 5.0 g/ hill at the time of transplanting to protect the seedlings from caterpillar/ cutworm. Bleaching powder may also be applied @ 15kg/ ha to prevent bacterial wilt. - A light irrigation should be given just after transplanting.
Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal	Stage	Management	Agro-ineceorological advisories
Poultry	All age groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/		Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Duck)		Parasitic	Give Albendazole liquid @ 40 ml for 100 birds once only and half dose by next day is suggested.
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	 Avoid dampness to protect from Pneumonia. Increase energy feed by 5%.
Pig	All age groups	Coccidial infection	• Ofloxacine/Ornidazole (O2) tab twice daily for 5 days.
	except the young	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	ones	Vaccination	Vaccinate against FMD and Swine Fever.
		Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
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
. E-11	stion, Dansagna/Oct on	op may be sown immediately	



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

9th March, 2018

<u>Ukhrul</u>

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 10th to 14th March, 2018 as below:

Significant past weather for the preceding bi-weekly of	
Imphal - West (6 th to 8 th March, 2018)	

Observed fair to partly cloudy sky ${\bf no}$ rainfall during past three days. Maximum temperature range of 26.9 to 27.9 °C and minimum temperature range of 8.9 to 15.5 °C with mean relative humidity 78 % max and 33 % min was recorded in the past three days.

Weather forecast for next five days of Ukhrul (10th to 14th March, 2018)

Likely to have light rains at isolated places upto Wednesday with partly cloudy to mainly cloudy sky and maximum temp. 27-28 $^{\circ}$ C & minimum temp. 9 $^{\circ}$ C. Relative humidity may reach up to 94 % (max RH) & 32 % (min RH). The average wind speed may be 4 km/hr

25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

past three days.			km/hr.
TI 11 C		·	
Field Crops	Τ «.	T =	1
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Direct seeding to transplanting		 For broadcasting, seeds should be uniformly sprouted before sowing. Uproot seedlings at 21-25 days after sowing depending on seedlings size and availability of water. Transplant the seedlings immediately (not later than 2 days) after uprooting to avoid transplanting shocks. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
Rapeseed/ Mustard	Maturity to harvesting		- Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing.
Field Pea/ Lentil/ Blackgram (late variety)	Maturity to harvesting		Harvest mature pods. Retain well filled disease free mature pods for seeds.
Rabi Maize	Vegetative to pre- flowering	Stem borer	 If the soil is dry, give light irrigation to maintain soil moisture status. Weeding may be done. To control the infestation of stem borer, apply few granules of Carbofurada 3G at maize whorl.
Seeds storage	Post harvest management		For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying at cleaning of seeds along with dry charcoal at 80:20. Check for moisture conte or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spra Malathion 1% on the walls of stores.
Horticulture Crops			
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Manipur Centre, Lamphelpat, Imphal - 795 004





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.
		Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
		Parasitic	Give Albendazole liquid @ 40 ml for 100 birds once only and half dose by next day is suggested.
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	 Avoid dampness to protect from Pneumonia. Increase energy feed by 5%.
Pig	All age groups except the young ones	Coccidial infection	Ofloxacine/Ornidazole (O2) tab twice daily for 5 days.
		De-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD and Swine Fever.
		Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
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

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