

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

27th 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 28th March to 1st April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 26th March, 2018)

Observed **no** rainfall with **clear** to **partly cloudy** sky during past four days but overcast on 23rd and 24th March. Maximum temperature recorded ranged from **28.3** to **29.8** °C and minimum of **12.0** to **14.0** °C with mean relative humidity **88.8** % max and **35.0** % min was recorded in the past four days.

Weather forecast for next five days of Imphal East (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 28-29 °C & minimum temp. 12 °C. Relative humidity may reach up to 91 % (max RH) & 40 % (min RH). The average wind speed may be 2-4 km/hr.

used to protect young plants from cold. Light watering must be done for already

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Nursery to Transplanting		 - Drainage and bunds may be constructed well for maintaining water level in the crop field. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. After 3-4 days of transplanting water level of 5-8 cm may be maintained. - If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
Rabi Maize	Vegetative to pre- flowering		 - Weeding and inter-culture operation may be done before rain. - Drainage may be constructed well to avoid water logging in and around the crop filel.
Potato	Maturity to harvesting	Early blight	 Harvest mature crops before rains. Drainage may be constructed well to avoid water logging in and around the crop field. Apply Mancozeb or Mancozeb + Metalaxyl @ 20-30 g/15 litre water. Spray 3% Boric acid during curing period after harvesting to avoid insect pest infestation during storage.
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 ratio. 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.
** Drainage may be co	nstructed well to avoid	d water logging in and a	round the crop filel.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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 dwarf 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). - Give light irrigation after 2-3 days of sowing.
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.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.
Cucurbits	Transplanting to 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



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Onion	Bulb forma		n to	- Light hoeing may be done.
		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		Flowering to fruiting		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
Animal Science	ces			• •
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/ Duck)			Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat All ago		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	All age groups except the young ones	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	_		• Vaccination	Vaccinate against FMD and Swine Fever.
	ones		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
			Management	Breeding must be advocated continously
Cattle		groups the young	• 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 	ation: Ber	seem/ Oat crop	may be sown immediately.	



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MANIPUR BULLETIN

27th March, 2018

Imphal West

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Weather forecast for next five days of Imphal West (28th March to 1st April, 2018)

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used to protect young plants from cold. Light watering must be done for already

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Stage	r est and disease	- Drainage and bunds may be constructed well for maintaining water level in the
			crop field.
	Nursery to		- Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be
Pre-kharif Rice	Transplanting		done. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
	Transplanting		-If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of
			uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
	X 7		- Weeding and inter-culture operation may be done before rain.
Rabi Maize	Vegetative to pre- flowering		- Drainage may be constructed well to avoid water logging in and around th
	nowering		crop filel.
			- Harvest mature crops before rains.
			- Drainage may be constructed well to avoid water logging in and around the
Potato	Maturity to		crop field.
1 otato	harvesting	Early blight	- Apply Mancozeb or Mancozeb + Metalaxyl @ 20-30 g/15 litre water.
			- Spray 3% Boric acid during curing period after harvesting to avoid insect pest
			infestation during storage.
			For seed purpose store the seeds in RC-Seed Bin after proper drying an
G 1 .	Post harvest management		cleaning of seeds along with dry charcoal at 80:20 w/w ratio. Check for moistur
Seeds storage			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			1.1 (1) 1
		d water logging in and a	· · · · · · · · · · · · · · · · · · ·
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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
			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
Chilli/ capsicum	Nursery		
Chilli/ capsicum French bean	Nursery Sowing to		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g
	-		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and
	Sowing to		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack. - Sowing of French bean may be done in prepared land. Seed rate for dwar
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	Sowing to vegetative Sowing to		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies
French bean	Sowing to vegetative		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm.42 kg Urea 94 kg SSP and 25
French bean	Sowing to vegetative Sowing to		In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing.
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Onion	Bulb formation		on to	- Light hoeing may be done.
		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		Flowering to fruiting		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
Animal Science	es			
Name of bird/ animal		Stage	Disease and Management	Agro-meteorological advisories
Poultry	All ag	e groups	Ranikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)			Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat All age g		e 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 ag	e groups	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	_	xcept 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 continously
Cattle		e groups es the young	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 	ation: Be	rseem/ Oat cro	p may be sown immediately.	



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MANIPUR BULLETIN

27th March, 2018

Bishnupur

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Weather forecast for next five days of Bishnupur (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 30-31 °C & minimum temp. 13-14 °C. Relative humidity may reach up to 94 % (max RH) & 46 % (min RH). The average wind speed may be 0-2 km/hr.

used to protect young plants from cold. Light watering must be done for already

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Nursery to Transplanting		 Drainage and bunds may be constructed well for maintaining water level in the crop field. Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. After 3-4 days of transplanting water level of 5-8 cm may be maintained. If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
Rabi Maize	Vegetative to pre- flowering		 - Weeding and inter-culture operation may be done before rain. - Drainage may be constructed well to avoid water logging in and around the crop filel.
Potato	Maturity to harvesting	Early blight	 Harvest mature crops before rains. Drainage may be constructed well to avoid water logging in and around the crop field. Apply Mancozeb or Mancozeb + Metalaxyl @ 20-30 g/15 litre water. Spray 3% Boric acid during curing period after harvesting to avoid insect pest infestation during storage.
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 ratio. 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.
** Drainage may be co	nstructed well to avoid	d water logging in and a	round the crop filel
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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
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 dwarf 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). - Give light irrigation after 2-3 days of sowing.
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.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.
Cucurbits	Transplanting to 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



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		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.
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Tomato		Flowering to fruiting		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
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Sheep/ Goat All age g		e 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.
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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.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.
Cucurbits	Transplanting to 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



Manipur Centre, Lamphelpat, Imphal - 795 004







Onion	Bulb formatio			- Light hoeing may be done.
	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	Flow fruit	wering to ting		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
Animal Science	ces			
Name of bird/ animal	Stag	ge	Disease and Management	Agro-meteorological advisories
Poultry	All age gro	oups • R	anikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)		• C	occidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	Sheep/ Goat All age groups		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	I anagement	 Fly repellant must be used in the premises of the sheds insecticides
Pig	All age gro	oups • D	e-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
	except the	young • V	accination	Vaccinate against FMD and Swine Fever.
	ones	• S	kin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		• N	Ianagement	Breeding must be advocated continously
Cattle	All age gro excepts the ones		accination	 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.
		• D	eworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
			are & 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 	atıon: Berseer	m/ Oat crop may	be sown immediately.	



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

27th 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 28th March to 1st April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(23^{rd}$ to 26^{th} March, 2018)

Observed **no** rainfall with **clear** to **partly cloudy** sky during past four days but overcast on 23rd and 24th March. Maximum temperature recorded ranged from **28.3** to **29.8** °C and minimum of **12.0** to **14.0** °C with mean relative humidity **88.8** % max and **35.0** % min was recorded in the past four days.

Weather forecast for next five days of Churachandpur (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 28-29 °C & minimum temp. 12 °C. Relative humidity may reach up to 95 % (max RH) & 33 % (min RH). The average wind speed may be 3-4 km/hr.

used to protect young plants from cold. Light watering must be done for already

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Stage	r est and disease	- Drainage and bunds may be constructed well for maintaining water level in the
			crop field.
	Nursery to		- Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be
Pre-kharif Rice	Transplanting		done. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
	Transparating		-If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of
			uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
	37 44		- Weeding and inter-culture operation may be done before rain.
Rabi Maize	Vegetative to pre-		- Drainage may be constructed well to avoid water logging in and around the
	flowering		crop filel.
			- Harvest mature crops before rains.
			- Drainage may be constructed well to avoid water logging in and around the
Potato	Maturity to		crop field.
Totato	harvesting	Early blight	- Apply Mancozeb or Mancozeb + Metalaxyl @ 20-30 g/15 litre water.
			- Spray 3% Boric acid during curing period after harvesting to avoid insect pest
			infestation during storage.
			For seed purpose store the seeds in RC-Seed Bin after proper drying and
G 1 4	Post harvest management		cleaning of seeds along with dry charcoal at 80:20 w/w ratio. Check for moisture
Seeds storage			content or weight of charcoal and dry if required.
			For grains, store grains in well ventilated godowns after drying proper. Spray
H. d. h. C. C.			Malathion 1% on the walls of stores.
Horticulture Crops		14 1 : 1 -	
		d water logging in and a	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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/ li
	N7		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
	vegetative		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).
			- Give light irrigation after 2-3 days of sowing.
			- Land preparation for sowing bhindi may be done. Sowing of bhindi/ladies
Bhindi	Sowing to		
Bhindi	vegetative		finger may be done at the spacing of 30cm x 45cm.42 kg Urea 94 kg SSP and 25
Bhindi			Kg MOP per sangam at final stage of land preparation before sowing.
	vegetative		Kg MOP per sangam at final stage of land preparation before sowing Give light irrigation after 2-3 days of sowing.
Bhindi Cucurbits			Kg MOP per sangam at final stage of land preparation before sowing.



Manipur Centre, Lamphelpat, Imphal - 795 004







Onion	Bulb formatio			- Light hoeing may be done.
	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	Flow fruit	wering to ting		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
Animal Science	ces			
Name of bird/ animal	Stag	ge	Disease and Management	Agro-meteorological advisories
Poultry	All age gro	oups • R	anikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)		• C	occidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	Sheep/ Goat All age groups		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	I anagement	 Fly repellant must be used in the premises of the sheds insecticides
Pig	All age gro	oups • D	e-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
	except the	young • V	accination	Vaccinate against FMD and Swine Fever.
	ones	• S	kin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		• N	Ianagement	Breeding must be advocated continously
Cattle	All age gro excepts the ones		accination	 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.
		• D	eworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
			are & 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 	atıon: Berseer	m/ Oat crop may	be sown immediately.	



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

27th March, 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 28th March to 1st April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 26th March, 2018)

Observed **no** rainfall with **clear** to **partly cloudy** sky during past four days but overcast on 23rd and 24th March. Maximum temperature recorded ranged from **28.3** to **29.8** °C and minimum of **12.0** to **14.0** °C with mean relative humidity **88.8** % max and **35.0** % min was recorded in the past four days.

Weather forecast for next five days of Senapati (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 25-26 °C & minimum temp. 8-9 °C. Relative humidity may reach up to 92 % (max RH) & 38 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops		T		
Name of the	crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Ri	ce	Nursery to Transplanting	5	 - Drainage and bunds may be constructed well for maintaining water level in the crop field. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. After 3-4 days of transplanting water level of 5-8 cm may be maintained. -If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
Rabi Maize	Vegetative to pre- flowering		pre-	 Weeding and inter-culture operation may be done before rain. Drainage may be constructed well to avoid water logging in and around the crop filel.
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 ratio. 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				
		structed well to	avoid water logging in and a	
Name of the c		Stage	Pest and disease	Agro-meteorological advisories
Ginger/ Turm	eric	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/ capsicu	ım	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 dwarf 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). - Give light irrigation after 2-3 days of sowing.	
Animal Science	es			
Name of bird/ animal		Stage	Disease and Management	Agro-meteorological advisories
Poultry	All a	ge groups	 Ranikhet disease 	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)			Coccidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	All a	ge 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		ge groups	De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
	excep	ot the young	Vaccination	Vaccinate against FMD and Swine Fever.

Phone: 2414654, 2414260, 2414749 ; Fax : (0385) 2414654, 2414749



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





	ones	Skin disease	• Sprayer of Anti-Psoroptic may be used
		Management	Breeding must be advocated continously
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 cultiv	vation: Berseem/ Oat cro	pp may be sown immediately.	



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN

27th 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 28th March to 1st April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(23^{rd}$ to 26^{th} March, 2018)

Observed **no** rainfall with **clear** to **partly cloudy** sky during past four days but overcast on 23rd and 24th March. Maximum temperature recorded ranged from **28.3** to **29.8** °C and minimum of **12.0** to **14.0** °C with mean relative humidity **88.8** % max and **35.0** % min was recorded in the past four days.

Weather forecast for next five days of Tamenglong (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 27 °C & minimum temp. 11-12 °C. Relative humidity may reach up to 93 % (max RH) & 36 % (min RH). The average wind speed may be 2-3 km/hr.

used to protect young plants from cold. Light watering must be done for already

Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop	Stage	r est and disease	- Drainage and bunds may be constructed well for maintaining water level in the
			crop field.
	Nursery to		- Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be
Pre-kharif Rice	Transplanting		done. After 3-4 days of transplanting water level of 5-8 cm may be maintained.
	Transplanting		-If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of
			uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
	**		- Weeding and inter-culture operation may be done before rain.
Rabi Maize	Vegetative to pre-		- Drainage may be constructed well to avoid water logging in and around the
	flowering		crop filel.
			- Harvest mature crops before rains.
			- Drainage may be constructed well to avoid water logging in and around the
Datata	Maturity to		crop field.
Potato	harvesting	Early blight	- Apply Mancozeb or Mancozeb + Metalaxyl @ 20-30 g/15 litre water.
			- Spray 3% Boric acid during curing period after harvesting to avoid insect pest
			infestation during storage.
	Post harvest		For seed purpose store the seeds in RC-Seed Bin after proper drying and
			cleaning of seeds along with dry charcoal at 80:20 w/w ratio. Check for moisture
Seeds storage	management		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			
	nstructed well to avoid	d water logging in and a	-
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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
			6 Tours the seed objective with Contact (@ 2-/1it seeds or Message b (@ 2-/1it
			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
Chilli/ capsicum	Nursery		of water) for 15-20 minutes and keep under shed before planting.
	-		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.
Chilli/ capsicum French bean	Sowing to		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack. - Sowing of French bean may be done in prepared land. Seed rate for dwarf
	-		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack. - Sowing of French bean may be done in prepared land. Seed rate for dward varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) and
	Sowing to		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill).
French bean	Sowing to vegetative		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing.
	Sowing to vegetative Sowing to		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies
French bean	Sowing to vegetative		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm.42 kg Urea 94 kg SSP and 25
French bean	Sowing to vegetative Sowing to		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing.
French bean	Sowing to vegetative Sowing to		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing.
French bean Bhindi	Sowing to vegetative Sowing to vegetative		of water) for 15-20 minutes and keep under shed before planting. In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g 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) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Give light irrigation after 2-3 days of sowing. - Land preparation for sowing bhindi may be done. Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.



Manipur Centre, Lamphelpat, Imphal - 795 004







Onion	Bul	lb formation to		- Light hoeing may be done.
	mat	turity	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		wering to		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
Animal Science	ces			
Name of bird/ animal	Sta	ige	Disease and Management	Agro-meteorological advisories
Poultry	All age gro	oups • R	anikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)		• C	occidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	All age gro	oups • V	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	I anagement	Fly repellant must be used in the premises of the sheds insecticides
Pig	All age gro	oups • D	e-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
	except the	young	accination	Vaccinate against FMD and Swine Fever.
	ones	• S:	kin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		• N	Ianagement	Breeding must be advocated continously
Cattle	All age groexcepts the ones		accination	 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.
		• D	eworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
			are & 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: Bersee	em/ Oat crop may	be sown immediately.	



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN

27th 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 28th March to 1st April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 26th March, 2018)

Observed **no** rainfall with **clear** to **partly cloudy** sky during past four days but overcast on 23rd and 24th March. Maximum temperature recorded ranged from **28.3** to **29.8** °C and minimum of **12.0** to **14.0** °C with mean relative humidity **88.8** % max and **35.0** % min was recorded in the past four days.

Weather forecast for next five days of Thoubal (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 30-31 °C & minimum temp. 13-14 °C. Relative humidity may reach up to 99 % (max RH) & 47 % (min RH). The average wind speed may be 2-4 km/hr.

used to protect young plants from cold. Light watering must be done for already

Field Crops	T		
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Nursery to Transplanting		 Drainage and bunds may be constructed well for maintaining water level in the crop field. Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. After 3-4 days of transplanting water level of 5-8 cm may be maintained. If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
Rabi Maize	Vegetative to pre- flowering		 Weeding and inter-culture operation may be done before rain. Drainage may be constructed well to avoid water logging in and around the crop filel.
Potato	Maturity to harvesting	Early blight	 Harvest mature crops before rains. Drainage may be constructed well to avoid water logging in and around the crop field. Apply Mancozeb or Mancozeb + Metalaxyl @ 20-30 g/15 litre water. Spray 3% Boric acid during curing period after harvesting to avoid insect pest infestation during storage.
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 ratio. 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.
** Drainage may be co	nstructed well to avoid	d water logging in and a	round the crop filel.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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
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 dwarf 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). - Give light irrigation after 2-3 days of sowing.
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.42 kg Urea 94 kg SSP and 25 Kg MOP per sangam at final stage of land preparation before sowing. - Give light irrigation after 2-3 days of sowing.
Cucurbits	Transplanting to 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



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Onion	Bul	lb formation to		- Light hoeing may be done.
	mat	turity	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		wering to		-40-45 days old tomato should be top dressed with 25 kg urea followed by earthing up and irrigation.
			Fruit borer	-Spray Sixer (Mencozeb 63 & Carbendazim 13) @ 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.
Animal Science	ces			
Name of bird/ animal	Sta	ige	Disease and Management	Agro-meteorological advisories
Poultry	All age gro	oups • R	anikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)		• C	occidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat	All age gro	oups • V	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	I anagement	Fly repellant must be used in the premises of the sheds insecticides
Pig	All age gro	oups • D	e-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
	except the	young	accination	Vaccinate against FMD and Swine Fever.
	ones	• S:	kin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used
		• N	Ianagement	Breeding must be advocated continously
Cattle	All age groexcepts the ones		accination	 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.
		• D	eworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
			are & 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: Bersee	em/ Oat crop may	be sown immediately.	



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"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

27th March, 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 28th March to 1st April, 2018 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 26th March, 2018)

Observed **no** rainfall with **clear** to **partly cloudy** sky during past four days but overcast on 23rd and 24th March. Maximum temperature recorded ranged from **28.3** to **29.8** °C and minimum of **12.0** to **14.0** °C with mean relative humidity **88.8** % max and **35.0** % min was recorded in the past four days.

Weather forecast for next five days of Ukhrul (28th March to 1st April, 2018)

Likely to have scattered to widespread rainfall upto Sunday and partly cloudy to mainly cloudy sky with, maximum temp. 27 °C & minimum temp. 11-12 °C. Relative humidity may reach up to 94 % (max RH) & 41 % (min RH). The average wind speed may be 3-4 km/hr.

Field Crops					
Name of the o	crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif Ric	Nursery to		Ş		 - Drainage and bunds may be constructed well for maintaining water level in the crop field. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. After 3-4 days of transplanting water level of 5-8 cm may be maintained. - If seedling is not ready for transplanting, apply DAP 2 Kg/ha before 10 days of uprooting or apply 1% urea (1 g dissolve in 1 litre water) and apply foliar spray.
Rabi Maize	Vegetative to pre- flowering		pre-		Weeding and inter-culture operation may be done before rain. Drainage may be constructed well to avoid water logging in and around the crop filel.
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 ratio. 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					
		nstructed well to	avoid	water logging in and a	round the crop filel.
Name of the ci	rop	Stage		Pest and disease	Agro-meteorological advisories
Ginger/ Turm	eric	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 Nurser		Nursery			In chilies and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.
		Sowing to vegetative			- Sowing of French bean may be done in prepared land. Seed rate for dwarf 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) Give light irrigation after 2-3 days of sowing.
Animal Science	es				
Name of bird/ animal		Stage		Disease and Management	Agro-meteorological advisories
Poultry	(Chicken/ Duck) Sheep/ Goat All age groups		• Ra	nnikhet disease	Strongly advise to Vaccinate against Ranikhet disease.
(Chicken/ Duck)			• Co	occidiosis	Give Amprolium @2 gms/ litre of drinking water for 5-7 days.
Sheep/ Goat			Vaccination Management		 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. Fly repellant must be used in the premises of the sheds
Pig	Δ11 α	na groupe	• D	n worming	 insecticides De-worm with Albendazole @7.5 mg/kg b.wt.
ı ıg	All age groups except the young		• De-worming		0 0
exc		• Y		accination	Vaccinate against FMD and Swine Fever.

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ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





	ones	Skin disease	• Sprayer of Anti-Psoroptic may be used	
		Management	Breeding must be advocated continously	
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 cultivation: Berseem/ Oat crop may be sown immediately.				