

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

Imphal West

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 $^{\circ}$ C and minimum temperature range of 21.0 to 21.9 $^{\circ}$ C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Imphal West (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 27 - 28 °C & minimum temp. 21 - 22 °C. Relative humidity may reach up to 97 % (max RH) & 83 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D:	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		 For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after proper drying of seeds along with charcoal at 80:20. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			Madding 170 on the want of stores.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/	,		- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
Cuuliiowei			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m² after preparation of the nursery bed. After
			application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
	T 1		For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of
	and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and gravel.
CI /T	DI.	I C11 + 1 0 I C	- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
	TOTHIAUOH	Spot Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences		management	improve son terunty.
		3	
- Provide ciean drinki	ng water to birds an	u animais. Avoid watei	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken//Duck)	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		Litter Management	 Use dry litter material in the shed; if there is moisture, apply lime powder @ 1kg per 100 ft² area Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
GI / G /	All age groups	 Vaccination 	Vaccinate against B.Q./ H.S. this time
Sheep/ Goat		De-worming	Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
- 18		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. 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.
Cattle		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	 Avoid the cattle from chiting/biting by Flies Adopt tick control measures
		Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 $^{\circ}$ C and minimum temperature range of 21.0 to 21.9 $^{\circ}$ C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Senapati (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. $26\text{-}27\,^{\circ}\text{C}$ & minimum temp. $20\text{-}21\,^{\circ}$ C. Relative humidity may reach up to 95 % (max RH) & 86 % (min RH). The average wind speed may be 2-4 km/hr.

Name of the crop	Stage	Pest and disease	A one meteorelacias a deisonias
		I obt till tilbetibe	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D:	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
	Post harvest		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper
	management		drying of seeds along with charcoal at 80:20. Check for moisture content or
Seeds storage			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			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/			- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be
	Sowing/ planting		done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
D-4-4-	I and managetion		For broad bean, plant local variety at a spacing of 30cm x 45cm. - Land preparation for planting potato for early crop and also for production of
Potato	Land preparation and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	Conection		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
Ginger/ Turineric	formation	Spot Spoten & Bear	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
	-	Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences			1 4
	a water to hirds and	d animals Avoid water	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken//Duck)	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		Litter Management	 Use dry litter material in the shed; if there is moisture, apply lime powder @ 1kg per 100 ft² area Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Clares I Clares	All age groups	 Vaccination 	Vaccinate against B.Q./ H.S. this time
Sheep/ Goat		De-worming	Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. 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.
Cattle		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	 Avoid the cattle from chiting/biting by Flies Adopt tick control measures
		Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

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Weather forecast for next five days of Tamenglong (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 28-29 $^{\circ}$ C & minimum temp. 20-21 $^{\circ}$ C. Relative humidity may reach up to 98 % (max RH) & 77 % (min RH). The average wind speed may be 0-2 km/hr.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D'	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram &	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds
Rice bean	, ,		should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after prope drying of seeds along with charcoal at 80:20. Check for moisture content o weight of charcoal and dry if required.
Secus storage			- For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops	1	1	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/	-		- Provide shift arrangement like temperory rain shelter made up of polythene/ tim
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After
			application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Datata	Land preparation		- Land preparation for planting potato for early crop and also for production of
Potato	and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	concetion		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
8	formation	Spot	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences	•		· · · · · · · · · · · · · · · · · · ·



Manipur Centre, Lamphelpat, Imphal - 795 004





	to reduce flies and		and around the birds/ animals sheds.
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		Litter Management	 Use dry litter material in the shed; if there is moisture, apply lime powder @ 1kg per 100 ft² area Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Clares I Clares	All age groups	 Vaccination 	Vaccinate against B.Q./ H.S. this time
Sheep/ Goat		De-worming	Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		De-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
0		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. 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.
Cattle		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	 Avoid the cattle from chiting/biting by Flies Adopt tick control measures
		Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

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Weather forecast for next five days of Thoubal (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 28-29 °C & minimum temp. 21-22 °C. Relative humidity may reach up to 97 % (max RH) & 90 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops	1		,
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D:	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
	Post harvest		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper
	management		drying of seeds along with charcoal at 80:20. Check for moisture content or
Seeds storage			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			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/			- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After
0.1	G ' / 1 '		application keep it covered for at least 24-48 hours. - Land preparation for sowing of onion (nursery) in the upland areas may be
Onion	Sowing/ planting		done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
D-4-4-	I and managerian		For broad bean, plant local variety at a spacing of 30cm x 45cm. - Land preparation for planting potato for early crop and also for production of
Potato	Land preparation and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	Conection		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
Singer/ Turmeric	formation	Spot Spot	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences	1	1 5	1 *
	na matan ta binda an	d animala Avaid wata	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal		Management	
	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with
Poultry (Chicken//		. I :44 M	half of the dose in empty stomach
Duck)		Litter Management	• Use dry litter material in the shed;
			• if there is moisture, apply lime powder @ 1kg per 100 ft ² area
			• Litter may be come wet due to sudden and unexpected rain during this time,
	A 11	77	wet litter must be replaced immediately
Sheep/ Goat	All age groups	Vaccination	Vaccinate against B.Q./ H.S. this time
бисер/ сош		De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups	 Vaccination 	Vaccinate against B.Q., F.M.D. & H.S.
	excepts the		Cases of H.S. may be encountered during this period
	young ones		• Immediate treatment using appropriate drugs with the help of Consultant must
			be advocated to safe the animals.
Cattle		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-
			30ml for 100 kg body weight.
		Care & Management	Avoid the cattle from chiting/biting by Flies
			Adopt tick control measures
		 Milk fever in Milch 	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.
		cow	

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



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"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 $^{\circ}$ C and minimum temperature range of 21.0 to 21.9 $^{\circ}$ C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Ukhrul (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 26 - 27 °C & minimum temp. 20 - 21 °C. Relative humidity may reach up to 95 % (max RH) & 80 % (min RH). The average wind speed may be 0-2 km/hr.

Field Crops	1		,
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
Dia.	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
	Post harvest		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper
	management		drying of seeds along with charcoal at 80:20. Check for moisture content or
Seeds storage			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			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/			- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After
Onion	Corring/planting		application keep it covered for at least 24-48 hours. - Land preparation for sowing of onion (nursery) in the upland areas may be
	Sowing/ planting		done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
D-4-4-	I and managerian		For broad bean, plant local variety at a spacing of 30cm x 45cm. - Land preparation for planting potato for early crop and also for production of
Potato	Land preparation and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	Conection		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
Jinger/ Turineric	formation	Spot Spot	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
	,	Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences	1	1 5	1 *
		d	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal		Management	
	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with
Poultry (Chicken//			half of the dose in empty stomach
Duck)		Litter Management	• Use dry litter material in the shed;
			• if there is moisture, apply lime powder @ 1kg per 100 ft ² area
			Litter may be come wet due to sudden and unexpected rain during this time,
			wet litter must be replaced immediately
Sheep/ Goat	All age groups	Vaccination	Vaccinate against B.Q./ H.S. this time
Sheep/ Goat		De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups	 Vaccination 	Vaccinate against B.Q., F.M.D. & H.S.
	excepts the		Cases of H.S. may be encountered during this period
	young ones		• Immediate treatment using appropriate drugs with the help of Consultant must
			be advocated to safe the animals.
Cattle		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-
			30ml for 100 kg body weight.
		Care & Management	• Avoid the cattle from chiting/biting by Flies
			Adopt tick control measures
		 Milk fever in Milch 	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.
		cow	

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to $28.9\,^{\circ}$ C and minimum temperature range of 21.0 to $21.9\,^{\circ}$ C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Bishnupur (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. $28-29\,^{\circ}$ C & minimum temp. $21-22\,^{\circ}$ C. Relative humidity may reach up to 98 % (max RH) & 86 % (min RH). The average wind speed may be 2-4 km/hr.

Name of the crop	Stage	Pest and disease	A one meteorelacias a deisonias
		I obt till tilbetibe	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D:	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
	Post harvest		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper
	management		drying of seeds along with charcoal at 80:20. Check for moisture content or
Seeds storage			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			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/			- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be
	Sowing/ planting		done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
D-4-4-	I and managetion		For broad bean, plant local variety at a spacing of 30cm x 45cm. - Land preparation for planting potato for early crop and also for production of
Potato	Land preparation and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	Conection		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
Ginger/ Furtheric	formation	Spot Spoten & Bear	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
	-	Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences			1 4
	a water to hirds and	d animals Avoid water	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken//Duck)	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		Litter Management	 Use dry litter material in the shed; if there is moisture, apply lime powder @ 1kg per 100 ft² area Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Clares I Clares	All age groups	 Vaccination 	Vaccinate against B.Q./ H.S. this time
Sheep/ Goat		De-worming	Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. 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.
Cattle		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Care & Management	 Avoid the cattle from chiting/biting by Flies Adopt tick control measures
		Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

Chandel

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Chandel (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 28-29 °C & minimum temp. 21-22 °C. Relative humidity may reach up to 97 % (max RH) & 90 % (min RH). The average wind speed may be 2-4 km/hr.

Rice	Stage	Pest and disease	
Rice	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
Rice	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in <i>RC-seed bins</i> after prope drying of seeds along with charcoal at 80:20. Check for moisture content o weight of charcoal and dry if required.
Secus storage			- For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/ Broccoli/ Cauliflower	Nursery		 Nursery site should be fertile, well drained, with no water logging. Provide shift arrangement like temperory rain shelter made up of polythene/ tin. paddy straw. Temperory roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. Apply Captan 50 WP@ 5g/m² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		 - Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot Soil nutrition management	 To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval. Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/	Stage	Disease and	Agro-meteorological advisories
animal		Management	
	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with
Poultry (Chicken//		. L'tt Mt	half of the dose in empty stomach
Duck)		Litter Management	• Use dry litter material in the shed;
			• if there is moisture, apply lime powder @ 1kg per 100 ft ² area
			• Litter may be come wet due to sudden and unexpected rain during this time,
	A 11	***	wet litter must be replaced immediately
Sheep/ Goat	All age groups	Vaccination	Vaccinate against B.Q./ H.S. this time
бисер/ сош		De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Pig		De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
	All age groups	Vaccination	Vaccinate against B.Q., F.M.D. & H.S.
	excepts the		Cases of H.S. may be encountered during this period
Cattle	young ones		• Immediate treatment using appropriate drugs with the help of Consultant must
			be advocated to safe the animals.
		Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-
			30ml for 100 kg body weight.
		Care & Management	Avoid the cattle from chiting/biting by Flies
			Adopt tick control measures
		Milk fever in Milch	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.
		cow	

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 $^{\circ}$ C and minimum temperature range of 21.0 to 21.9 $^{\circ}$ C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Churachandpur (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 27-28 $^{\circ}$ C & minimum temp. 21-22 $^{\circ}$ C. Relative humidity may reach up to 99 $^{\circ}$ (max RH) & 86 $^{\circ}$ (min RH). The average wind speed may be 0-2 km/hr.

Field Crops			,
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D:	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
	Post harvest		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper
	management		drying of seeds along with charcoal at 80:20. Check for moisture content or
Seeds storage			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	-		
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/			- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be
	Sowing/ planting		done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
D-4-4-	Land managerian		For broad bean, plant local variety at a spacing of 30cm x 45cm. - Land preparation for planting potato for early crop and also for production of
Potato	Land preparation and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	Conection		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
Singer/ Turmeric	formation	Spot Spot	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences	1		1 *
	na watan ta hinda an	d animala Avaid wata	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken// Duck)	All age groups	Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		Litter Management	 Use dry litter material in the shed; if there is moisture, apply lime powder @ 1kg per 100 ft² area Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	 Vaccination 	Vaccinate against B.Q./ H.S. this time
		De-worming	Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. 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	 Avoid the cattle from chiting/biting by Flies Adopt tick control measures
		Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN

29th September, 2017

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 $^{\circ}$ C and minimum temperature range of 21.0 to 21.9 $^{\circ}$ C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Imphal East (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 27 - 28 °C & minimum temp. 21 - 22 °C. Relative humidity may reach up to 97 % (max RH) & 90 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			,
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Grain filling to		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
D:	maturity	Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
Rice		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
	Post harvest		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper
	management		drying of seeds along with charcoal at 80:20. Check for moisture content or
Seeds storage			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	-		
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cabbage/	Nursery		- Nursery site should be fertile, well drained, with no water logging.
Broccoli/			- Provide shift arrangement like temperory rain shelter made up of polythene/ tin/
Cauliflower			paddy straw. Temperory roof of the nursery bed should be in the slanting
			position (6 feet in the East and 4 feet in the west at a height of 4 feet.
			- Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be
	Sowing/ planting		done. Nursery area should be fertile, well drained, with no water logging.
French Bean &	Land		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits,
Broad bean	preparation		etc. had been harvested and where there is proper drainage facility.
			Recommended varieties for French bean are – Pant Anupam, Anupam (to be
			planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted
			at a spacing of 30cm x 60cm with 2-3 seeds per hill).
D-4-4-	Land managerian		For broad bean, plant local variety at a spacing of 30cm x 45cm. - Land preparation for planting potato for early crop and also for production of
Potato	Land preparation and seed		seed may be started after the rains in foothills and upland area.
	collection		- Select the area with fertile and sandy loam soil rather than with stone and
	Conection		gravel.
			- Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome	Leaf blotch & Leaf	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray
Singer/ Turmeric	formation	Spot Spot	Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to
		management	improve soil fertility.
Animal Sciences	1		1 *
	na watan ta hinda an	d animala Avaid wata	r logging around the sheds as it may help in mosquito breeding.



Manipur Centre, Lamphelpat, Imphal - 795 004





- Take up measures	to reduce flies and	mosquitoes population in	and around the birds/ animals sheds.
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken// Duck)	All age groups	Deworming	Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		Litter Management	 Use dry litter material in the shed; if there is moisture, apply lime powder @ 1kg per 100 ft² area Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Charm/Cast	All age groups	Vaccination	Vaccinate against B.Q./ H.S. this time
Sheep/ Goat		De-worming	Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	Coccidial infection (Diarrhea)	• Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	De-worm with Albendazole @7.5 mg/kg b.wt.
		Vaccination	Vaccinate against FMD.
		Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	Vaccination	 Vaccinate against B.Q., F.M.D. & H.S. 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	Avoid the cattle from chiting/biting by Flies Adopt tick control measures
		Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Shauchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.