

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 9th May, 2017

Churachandpur

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Churachandpur (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 29 - 33 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-22 °C. Relative humidity may reach up to 98 % (max RH) & 70 % (min
-	RH). The average wind speed may be 2-4 km/hr.

Field Crops			
* Harvest rain water. F	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Till	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle Mite	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre
			of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

Tomato/ Brinja	Vegetative		 After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose and 25kg Urea after 25-30days after tansplanting. Construct proper drainage system to avoid water logging.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Chilli/ capsicum	Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains. - Construct proper drainage system to avoid water logging.
Animal Sciences	1		Construct proper anamage ofstern to a ford water rogging.
	rinking water for bi		-
Name of bird/ anir	~g-	Disease and Management	Agro-meteorological advisories
Poultry (Chicken	All age group	s Fowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)		Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
	All age group	s Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Sheep/ Goat	excepts the ye	oung Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Goue	ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
		Deworming	New born but not yet been dewormed should be given deworming agent.
		De-worming	 De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
	All age group	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig	except the you	ing FMD	- Vaccinate against FMD after the age of 3 months.
	ones	Mineral feeding	Provide mineral mixture.
		Care and	Provide clean water (drinking). Add antibiotics in feed and water.
		management	Vaccinate against FMD.
		Mites infestation	 Spray with Skin Heal Spray in sufficient quantity.
	A 11	Fodder cultivation	Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle	All age group excepts the ye		- Butox@ 2ml/lit of water at forth nightly interval.
	ones	Mastitis	Animals should be milked completely.
		Management	- Some female animals may get agitated due to the heat especially during night time, protect and take care of it.
Fishery			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
Grow -out Po		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
		Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	As the temperature has increased considerably, farmers must increase the feeding rate by 25-30% in grow-out ponds.
Paddy cum Field fish culture Field			Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of the rice field can be converted into trenches/ditch/channels for paddy cum fish culture.

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"

E-mail: agromet_mnp@yahoo.co.uk



MANIPUR BULLETIN 9th May, 2017

Senapati

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Senapati (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 27 - 34 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-24 °C. Relative humidity may reach up to 93 % (max RH) & 68 % (min
	RH). The average wind speed may be 2-4 km/hr.

Field Crops			
* Harvest rain water. F	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops	•	•	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.

- After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

Tomato/ Brinjal Vegetative			and 25kg Urea after 25-30days after tansplanting.	
			Mite	 Construct proper drainage system to avoid water logging. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of
			WITE	water.
Chilli/ capsicun	n	Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains.
				- Construct proper drainage system to avoid water logging.
Animal Sciences	s	•		
* Provide clean d	lrinki	ng water for birds	and animals.	
Name of bird/ anim		Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken	1/	All age groups	Fowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)			Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Sheep/ Goat		excepts the young	Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Goat		ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			De-worming	 De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
		All age groups	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig		except the young	FMD	- Vaccinate against FMD after the age of 3 months.
		ones	Mineral feeding	Provide mineral mixture.
			Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water. Vaccinate against FMD.
			Mites infestation	Spray with Skin Heal Spray in sufficient quantity.
		All age groups	Fodder cultivation	Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		excepts the young	Ectoparasites	- Butox@ 2ml/lit of water at forth nightly interval.
		ones	Mastitis	Animals should be milked completely.
			Management	- Some female animals may get agitated due to the heat especially during night time, protect and take care of it.
Fishery	a.			
Type of Farming	Sta	ige	management	Agro-metrological advisories
Carp culture	nur	rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
Grow -out			Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
			Fish	20-30 million spawn can be stock in 1 ha pond.
		ow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
			Fish	8000-10,000 fingerlings can be stocked per ha.
			Feed	Sampling of fish for growth, diseases (if any) should be done by regular netting. As the temperature has increased considerably, farmers must increase the feeding
Paddy cum fish culture	Fie	eld		 rate by 25-30% in grow-out ponds. Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of the rice field can be converted into trenches/ditch/channels for paddy cum fish
			culture.	

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"

E-mail: agromet_mnp@yahoo.co.uk



MANIPUR BULLETIN 9th May, 2017

Tamenglong

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Tamenglong (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 28 - 34 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-22 °C. Relative humidity may reach up to 99 % (max RH) & 80 % (min
	RH). The average wind speed may be 2-3 km/hr.

Field Crops			
* Harvest rain water. F	Provide proper drainage	e system to avoid water	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle Mite	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre
	N		of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



Tomato/ Brinja	վ	Vegetative		- After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose and 25kg Urea after 25-30days after tansplanting.
			Mite	 Construct proper drainage system to avoid water logging. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of
Chilli/ capsicum	n	Vegetative		 water. In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains. Construct proper drainage system to avoid water logging.
Animal Science	<u>s</u>			conduct proper aramage offician to arona water robering.
* Provide clean d	lrinki	ng water for birds	s and animals.	
Name of bird/ anim		Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken	ı/	All age groups	Fowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)			Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Sheep/ Goat		excepts the youn	g Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Goat		ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			De-worming	 De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
		All age groups	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig		except the young	FMD	- Vaccinate against FMD after the age of 3 months.
		ones	Mineral feeding	Provide mineral mixture.
			Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water.
			Mites infestation	 Vaccinate against FMD. ➤ Spray with Skin Heal Spray in sufficient quantity.
			Fodder cultivation	 Spray with Skin Hear Spray in sufficient quantity. Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		All age groups	Ectoparasitas	 Butox@ 2ml/lit of water at forth nightly interval.
Cutte		excepts the youn	g Mastitis	Animals should be milked completely.
		ones	Management	- Some female animals may get agitated due to the heat especially during night
				time, protect and take care of it.
Fishery				
Type of Farming	Sta	age	management	Agro-metrological advisories
Carp culture	nu	rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
				and water depth should be maintained at 1.0-1.5m.
Grow -out			Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
		-	T' 1	weight/day
			Fish	20-30 million spawn can be stock in 1 ha pond.
		ow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
			Fish	8000-10,000 fingerlings can be stocked per ha.
			Sampling of fish for growth, diseases (if any) should be done by regular netting.	
			Feed	As the temperature has increased considerably, farmers must increase the feeding rate by 25-30% in grow-out ponds.
Paddy cum	Fie	eld		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of
fish culture			the rice field can be converted into trenches/ditch/channels for paddy cum fish culture.	

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 9th May, 2017

Thoubal

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Thoubal (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 28 - 33 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-23 °C. Relative humidity may reach up to 96 % (max RH) & 74 % (min
*	RH). The average wind speed may be 3-4 km/hr.

Field Crops			
* Harvest rain water. F	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle Mite	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre
			of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



Tomato/ Brinja	ıl	Vegetative		 After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose and 25kg Urea after 25-30days after tansplanting. Construct proper drainage system to avoid water logging.
			Mite	 To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Chilli/ capsicum	n	Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains. - Construct proper drainage system to avoid water logging.
Animal Science	S			Construct proper dramage system to avoid water rogging.
* Provide clean d	lrinki	ng water for birds	s and animals.	
Name of bird/ ani		Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken	ı/	All age groups	Fowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)			Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Sheep/ Goat		excepts the youn	g Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Ooat		ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			De-worming	 De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
		All age groups	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig		except the young	FMD	- Vaccinate against FMD after the age of 3 months.
C .		ones	Mineral feeding	Provide mineral mixture.
			Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water. Vaccinate against FMD.
			Mites infestation	Spray with Skin Heal Spray in sufficient quantity.
		All age groups	Fodder cultivation	➤ Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		excepts the youn	Ectoparasites	- Butox@ 2ml/lit of water at forth nightly interval.
		ones	Mastitis	Animals should be milked completely.
			Management	- Some female animals may get agitated due to the heat especially during night time, protect and take care of it.
Fishery				
Type of Farming	Sta	age	management	Agro-metrological advisories
Carp culture	nu	rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
Grow -out		-		and water depth should be maintained at 1.0-1.5m.
		-	Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
			Fish	20-30 million spawn can be stock in 1 ha pond.
		ow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha.	
		Feed	Sampling of fish for growth, diseases (if any) should be done by regular netting. As the temperature has increased considerably, farmers must increase the feeding	
			reeu	As the temperature has increased considerably, farmers must increase the feeding rate by 25-30% in grow-out ponds.
Paddy cum	Fie	eld		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of
fish culture				the rice field can be converted into trenches/ditch/channels for paddy cum fish culture.

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 9th May, 2017

Ukhrul

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Ukhrul (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 29 - 32 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-22 °C. Relative humidity may reach up to 86 % (max RH) & 55 % (min
	RH). The average wind speed may be 2-4 km/hr.

Field Crops			
* Harvest rain water. F	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured. The prepare training in the lower prepare transmission of lower transmission in the lower half.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.

E-mail: agromet_mnp@yahoo.co.uk

- After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

Tomato/ Brinjal Veg		Vegetative		and 25kg Urea after 25-30days after tansplanting.
				- Construct proper drainage system to avoid water logging.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Chilli/ capsicum	n	Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63%
chini, cuporcui		8		WP) @ 2 g/ litre of water to control the fungal attack after rains.
				- Construct proper drainage system to avoid water logging.
Animal Science				
		ng water for birds		
Name of bird/ ani		Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken	1/	All age groups	Fowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)			Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Sheep/ Goat		excepts the young	Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Goat		ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			De-worming	 De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
		All age groups	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig		except the young	FMD	- Vaccinate against FMD after the age of 3 months.
C		ones	Mineral feeding	Provide mineral mixture.
			Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water. Vaccinate against FMD.
			Mites infestation	 Spray with Skin Heal Spray in sufficient quantity.
			Fodder cultivation	Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		All age groups excepts the young	Ectoparasites	- Butox@ 2ml/lit of water at forth nightly interval.
		ones	Mastitis	Animals should be milked completely.
			Management	- Some female animals may get agitated due to the heat especially during night time, protect and take care of it.
Fishery		1		
Type of Farming	Sta	nge	management	Agro-metrological advisories
Carp culture	nui	rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
Gr			Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		F	Fish	20-30 million spawn can be stock in 1 ha pond.
		ow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should
				be done.
			Fish	8000-10,000 fingerlings can be stocked per ha.
			Food	Sampling of fish for growth, diseases (if any) should be done by regular netting.
			Feed	As the temperature has increased considerably, farmers must increase the feeding rate by 25-30% in grow-out ponds.
Paddy cum	Fie	bld		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of
fish culture	110			the rice field can be converted into trenches/ditch/channels for paddy cum fish
				culture.

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"

E-mail: agromet_mnp@yahoo.co.uk



MANIPUR BULLETIN 9th May, 2017

Imphal East

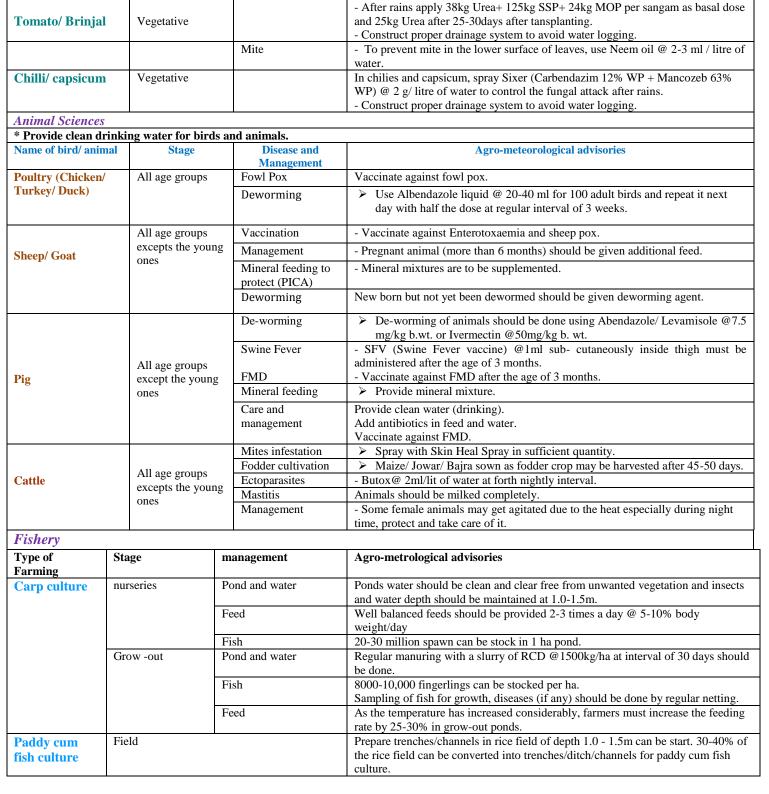
Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Imphal East (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 27 - 31 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	16-18 °C. Relative humidity may reach up to 98 % (max RH) & 75 % (min
	RH). The average wind speed may be $2 - 4$ km/hr.

Field Crops			
* Harvest rain water. F	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops	•	•	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: - Cut the ½ litre empty mineral water bottle into two halves. - Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



E-mail: agromet_mnp@yahoo.co.uk ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 9th May, 2017

Imphal West

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Imphal West (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with to partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to mainly cloudy sky and maximum temp. 28 - 34 ° C & minimum
wind speed was observed to be $3.7 - 5.3$ km/hr.	temp. 21 - 23 °C. Relative humidity may reach up to 99 % (max RH) & 79
	% (min RH) The average wind speed may be 2 - 3 km/hr

Field Crops			
* Harvest rain water. P	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram & Rice bean	Land preparation to sowing		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.

- After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose



- -

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

Tomato/ Brinja	l Vegetative			and 25kg Urea after 25-30days after tansplanting.
			Mite	- Construct proper drainage system to avoid water logging.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Chilli/ capsicun	n	Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63%
Chini/ Capsicun		Vegetative		WP) @ 2 g/ litre of water to control the fungal attack after rains.
				- Construct proper drainage system to avoid water logging.
Animal Sciences	5			
		ng water for birds	and animals.	
Name of bird/ anin	mal	Stage	Disease and	Agro-meteorological advisories
Poultry (Chicken	/	All age groups	ManagementFowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)	u .	All age groups		 Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next
			Deworming	day with half the dose at regular interval of 3 weeks.
		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Sheep/ Goat		excepts the young	g Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep, Goue		ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			De-worming	> De-worming of animals should be done using Abendazole/ Levamisole @7.5
			<u>с:</u> г	mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
		A 11	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig		All age groups except the young ones	FMD	- Vaccinate against FMD after the age of 3 months.
1 1g			Mineral feeding	 Provide mineral mixture.
		ones	Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water.
			C	Vaccinate against FMD.
			Mites infestation	Spray with Skin Heal Spray in sufficient quantity.
		All age groups	Fodder cultivation	Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		excepts the youn	Ectoparasites	- Butox@ 2ml/lit of water at forth nightly interval.
		ones	Mastitis	Animals should be milked completely.
			Management	- Some female animals may get agitated due to the heat especially during night time, protect and take care of it.
Fishery		1		time, protect and taxe care of R.
Type of Farming	Sta	nge	management	Agro-metrological advisories
Carp culture	nur	rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
_		_		and water depth should be maintained at 1.0-1.5m.
			Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body
Grow -out		_	E. 1	weight/day
		our out	Fish Pond and water	20-30 million spawn can be stock in 1 ha pond. Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should
		Polid and water	be done.	
		F	Fish	8000-10,000 fingerlings can be stocked per ha.
				Sampling of fish for growth, diseases (if any) should be done by regular netting.
			Feed	As the temperature has increased considerably, farmers must increase the feeding
				rate by 25-30% in grow-out ponds.
Paddy cum	Fie	eld		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of
fish culture				the rice field can be converted into trenches/ditch/channels for paddy cum fish
				culture.

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"

E-mail: agromet_mnp@yahoo.co.uk



MANIPUR BULLETIN 9th May, 2017

Bishnupur

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Bishnupur (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 29 - 34 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-23 °C. Relative humidity may reach up to 97 % (max RH) & 75 % (min
	RH). The average wind speed may be $2 - 4$ km/hr.

Field Crops			
	Provide proper drainage	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
Rice	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram &	Land preparation		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after
Rice bean	to sowing		rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle Mite	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre
DI.:	Vagatativa		of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.

- After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose



- -

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

Tomato/ Brinjal Vegetative			and 25kg Urea after 25-30days after tansplanting.	
				- Construct proper drainage system to avoid water logging.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of
				water.
Chilli/ capsicum Vegetat		Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains.
				- Construct proper drainage system to avoid water logging.
Animal Science	s			
		ng water for birds	and animals.	
Name of bird/ ani		Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicker	ı/	All age groups	Fowl Pox	Vaccinate against fowl pox.
Turkey/ Duck)			Deworming	 Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
Shoon/Coot		excepts the young	g Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Goat		ones	Mineral feeding to	- Mineral mixtures are to be supplemented.
			protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			Deworming	
			De-worming	De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
			Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be
		All age groups		administered after the age of 3 months.
Pig		except the young	FMD	- Vaccinate against FMD after the age of 3 months.
116		ones	Mineral feeding	Provide mineral mixture.
		ones	Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water.
			management	Vaccinate against FMD.
			Mites infestation	 Spray with Skin Heal Spray in sufficient quantity.
			Fodder cultivation	 Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		All age groups	Ectoporasites	- Butox@ 2ml/lit of water at forth nightly interval.
Cattle		excepts the young	Mastitis	Animals should be milked completely.
		ones	Management	- Some female animals may get agitated due to the heat especially during night
			wanagement	time, protect and take care of it.
Fishery				time, protect and take care of it.
	a.			
Type of Farming	Sta	nge	management	Agro-metrological advisories
Carp culture	nu	rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
Carp culture	nu	iseries	I ond and water	and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body	
			recu	weight/day
Gro		F	Fish	20-30 million spawn can be stock in 1 ha pond.
			Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should
	01	ow out	i ond und water	be done.
		-	Fish	8000-10,000 fingerlings can be stocked per ha.
			1 1511	Sampling of fish for growth, diseases (if any) should be done by regular netting.
		F	Feed	As the temperature has increased considerably, farmers must increase the feeding
				rate by 25-30% in grow-out ponds.
Paddy cum	Fie	bld		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of
fish culture	110	10		the rice field can be converted into trenches/ditch/channels for paddy cum fish
iish culture				culture.
				culture.

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.





ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 9th May, 2017

Chandel

Significant past weather for the preceding bi-weekly of Imphal - West (5 th to 8 th May, 2017)	Weather forecast for next five days of Chandel (10 th to 14 th May, 2017)
Observed partly cloudy to mainly cloudy sky and 1.6 mm rainfall was	
recorded. Maximum temperature range of 28.2 to 30.3 °C and minimum	Likely to have Thunderstorm accompanied with gusty winds and Heavy
temperature range of 18.5 to 19.4 °C with mean relative humidity 79.0 %	rain at isolated places over Manipur during the next five days with partly
max and 50.0 % min was recorded in the past three days. The average	cloudy to cloudy sky and maximum temp. 28 - 32 ° C & minimum temp.
wind speed was observed to be $3.7 - 5.3$ km/hr.	21-22 °C. Relative humidity may reach up to 89 % (max RH) & 59 % (min
	RH). The average wind speed may be 3-4 km/hr.

Field Crops			
* Harvest rain water. F	rovide proper drainag	e system to avoid water	logging.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
	Tillering		- Weeding may be done using conoweeder.
Rice	(Pre-kharif rice)	Leaf folder	- Spray Rogor@ 15ml/15 litre water.
	Land preparation to nursery (Main kharif rice)		 Prepare main plots for ploughing. Raise community nursery in upland area/ terrace so that it may be least affected with the rains.
Soybean	Sowing		Sowing may be done at spacing of 45 cm x 30 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. Seed rate is 40-45 kg/ha or 10-11 kg of seed /sangam and the recommended variety is J.S.335.
Groundnut	Sowing		Seed rate is 100-110 kg of Kernal/ha and the recommended varieties are ICGS- 75 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of SSP or 130 kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing.
Rabi maize	Harvesting		- Store healthy well filled disease free cobs for seeds.
Kharif Maize	Sowing		Land preparation for maize cultivation can be done. Apply 60kg of urea, 65kg of DAP and 30kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. For high altitude spacing may be 50cm x 25cm while for low altitude it may be 60cm x 30cm.
Blackgram & Rice bean	Land preparation to sowing		Seed rate is 10-15 kg/ ha. Sowing may be done by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan.
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 seeds. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% in <i>godowns</i>.
Horticulture Crops		1	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
French Bean	Vegetative		- Provisions may be made to construct proper drainage system to avoid water logging.
Turmeric	Sowing of turmeric		- Before planting treat seed rhizome with Sixer @ 2g/ kg seed or Trichoderma harzianum @ 10g/ kg seed or Carbendazim @ 2g/ kg seed. Maintain spacing at 25cm X 40-45cm.
Cucurbits	Vegetative	Red Pumpkin Beetle	 Use Methyl Euginol as trap @ 4-10 traps/ sangam. Steps to prepare trap: Cut the ½ litre empty mineral water bottle into two halves. Mix 2-3 drops of Methyl Euginol in 200ml of water in the lower half, cover the solution with the upper half of the bottle in inverted position so that a funnel like structure is made and beetles are lured.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Bhindi	Vegetative		- Construct proper drainage system to avoid water logging.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



Tomato/ Brinja	ıl	Vegetative		 After rains apply 38kg Urea+ 125kg SSP+ 24kg MOP per sangam as basal dose and 25kg Urea after 25-30days after tansplanting. Construct proper drainage system to avoid water logging.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Chilli/ capsicur	n	Vegetative		In chilies and capsicum, spray Sixer (Carbendazim 12% WP + Mancozeb 63% WP) @ 2 g/ litre of water to control the fungal attack after rains. - Construct proper drainage system to avoid water logging.
Animal Science	S			Construct proper unamage system to urord water togging.
		ing water for birds		-
Name of bird/ ani		Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)		All age groups	Fowl Pox	Vaccinate against fowl pox.
			Deworming	Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
Sheep/ Goat		All age groups	Vaccination	- Vaccinate against Enterotoxaemia and sheep pox.
		excepts the youn	g Management	- Pregnant animal (more than 6 months) should be given additional feed.
Sheep/ Goat		ones	Mineral feeding to protect (PICA)	- Mineral mixtures are to be supplemented.
			Deworming	New born but not yet been dewormed should be given deworming agent.
			De-worming	 De-worming of animals should be done using Abendazole/ Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt.
		All age groups	Swine Fever	- SFV (Swine Fever vaccine) @1ml sub- cutaneously inside thigh must be administered after the age of 3 months.
Pig		except the young	FMD	- Vaccinate against FMD after the age of 3 months.
9		ones	Mineral feeding	Provide mineral mixture.
			Care and	Provide clean water (drinking).
			management	Add antibiotics in feed and water.
				Vaccinate against FMD.
			Mites infestation	Spray with Skin Heal Spray in sufficient quantity.
		All age groups	Fodder cultivation	Maize/ Jowar/ Bajra sown as fodder crop may be harvested after 45-50 days.
Cattle		excepts the youn	Ectoparasites	- Butox@ 2ml/lit of water at forth nightly interval.
		ones	Mastitis	Animals should be milked completely.
			Management	- Some female animals may get agitated due to the heat especially during night time, protect and take care of it.
Fishery				
Type of Farming	Sta	age	management	Agro-metrological advisories
<u> </u>		rseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects
-		-	D1	and water depth should be maintained at 1.0-1.5m. Well balanced feeds should be provided 2-3 times a day @ 5-10% body
			Feed	weight/day
		-	Fish	20-30 million spawn can be stock in 1 ha pond.
	Gr	ow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should
				be done.
			Fish	8000-10,000 fingerlings can be stocked per ha.
				Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Ē	Feed	As the temperature has increased considerably, farmers must increase the feeding
				rate by 25-30% in grow-out ponds.
Paddy cumFiefish culture		ield		Prepare trenches/channels in rice field of depth 1.0 - 1.5m can be start. 30-40% of
				the rice field can be converted into trenches/ditch/channels for paddy cum fish culture.

SMS:

Lakliba Sagolshel faoba nungsit akanbaga loinana nong taba yai. Phou, leibak hawai, nunghawai, sagolhawai amadi chak-hawai thabinaba maru afaba lousanbiba yarani. Shing/ yaingang thabiba yarani. Oak ta til leitanaba masagi arumba kg khudingda 7.5mg Albendazole pibiyu.