



MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (26th to 29th April, 19): **7.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26th & afternoon of 28th April. Maximum temperature ranged from 27.9 – 33.4 °C and minimum

of 15.8 – 22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5 - 8.3

km/ hr.

Weather forecast for Churachandpur (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 31-37 °C & mini. temp. 20-24 °C. Relative humidity may reach upto 98 % (max) & 73 % (min). The average wind speed may be 3-6 km/hr.

KIII/ III.				
Field Crops				
Name of the crop	Stage	;	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
				Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepar	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
				urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
G 1 /	T 1	,•		during final ploughing or at the time of sowing.
Soybean/ Groundnut/	Land prepar			- Land preparation for sowing soybean/ groundnut may be started.
Blackgram	and Seed co	nection		- Procure quality seed suitable to the site from reliable source.
Diacingram				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
Coods storess	Post-harvest			soil 1 - 2 weeks before sowing.
Seeds storage				- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
	Managemen	l		Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				- Avoid fungai growth and pest fodent in store.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering as		1 obv min discuss	- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to ha			growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
				ml / litre of water.
French Bean	Vegetative			- Weeding may be done.
Colocasia/ alocasia	Land prepar	ation		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
	and planting			
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).
Animal Sciences				
Name of bird/ animal	Stage	Disea	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			
Pig	Above 3	Swine I		- Vaccinate against swine fever after the age of 3 months.
	months of	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	age			
Cattle	Above 3		I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworr	ming	Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworr	•	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be
				carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.



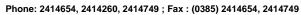
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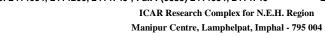


"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.

(I. Meghachandra Singh) Nodal Officer, GKMS





"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9-33.4 °C and minimum of 15.8-22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5-8.3 km/hr.

Weather forecast for Imphal East (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 29-31 $^{\rm o}C$ & mini. temp. 18-22 $^{\rm o}C$. Relative humidity may reach upto 91 % (max) & 53 % (min). The average wind speed may be 4-9 km/hr.

KIII/ III.				
Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
TTC MIMITI THEC	T differe finition	111011		Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepar	ntion		- Land preparation for maize cultivation can be started. Apply 60kg of
Kilai II iliaize	Land prepar	ation		urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Soybean/	T and manage	.4:		- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/	Land preparand Seed co			
Blackgram	and Seed co.	nection		- Procure quality seed suitable to the site from reliable source.
Diackgrain				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
G 1 4				soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
				Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops	- Cu		70 1 1 1	
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering an			- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to ha	arvestea) (C)	growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
E I D	**			ml / litre of water.
French Bean	Vegetative			- Weeding may be done.
Colocasia/ alocasia	Land prepar			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
~ · · · · ·	and planting			
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).
Animal Sciences Name of bird/ animal	Chara	D:	/Managaman	A
	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccid	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups	~		
Pig	Above 3	Swine l		- Vaccinate against swine fever after the age of 3 months.
	months of	Coccid	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	age			
Cattle	Above 3		I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Dewori		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Dewori	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be
				carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.



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"Gramin Krishi Mausam Seva"

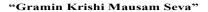
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.

(I. Meghachandra Singh) Nodal Officer, GKMS





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9 - 33.4 °C and minimum of 15.8 - 22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5 - 8.3 km/hr.

Weather forecast for Imphal West (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 29-35 $^{\rm o}C$ & mini. temp. 20-23 $^{\rm o}C$. Relative humidity may reach upto 98 % (max) & 49 % (min). The average wind speed may be 4-5 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
	T united mitte	ation		Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
	Land prepare	ation		urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Soybean/	Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/	and Seed col			- Procure quality seed suitable to the site from reliable source.
Blackgram	and Seed con	nection		- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
6				soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
secus storage				and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
	Managemen	l		
				Check for moisture content or weight of charcoal and dry if required.
TI V L C				- Avoid fungal growth and pest rodent in store.
Horticulture Crops Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering an		1 est and disease	- Avoid fruits to touch soil. Proper staking may be done for better
Cucui bits	fruiting to ha			growth.
	Truiting to he	ii vested	Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
			WHITE	ml / litre of water.
French Bean	Vegetative			- Weeding may be done.
Colocasia/ alocasia	Land prepara	ation		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
	and planting			Tropare tand for planning corocasta arocasta ginger, carmerie.
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
	1 1441111111111111111111111111111111111			to row) and turmeric (25cm plant to plant and 40-45cm row to row).
Animal Sciences				The state of the s
Name of bird/ animal	Stage	Disea	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi		Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
·	age groups	Cocciai	10313	orve ig Ampronum powder in i nue of drinking water for 3-7 days.
Pig	Above 3	Swine I	Fever	- Vaccinate against swine fever after the age of 3 months.
8	months of		al infection	Ofloxacine/ Ornidazole (O_2) tab twice daily for 5 days.
	age	000010		orionation orinializate (oz) the three daily for a days.
Cattle	Above 3	B.O./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworr		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe	<u> </u>	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	J	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
	. III dillillidib	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be
		Tylanage	ATTICLITY OF THE PARTY OF THE P	carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.
				disease endsed by files/ filosquitoes/ tieks, etc.



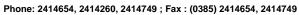
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"Gramin Krishi Mausam Seva"

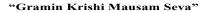
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.

(I. Meghachandra Singh) Nodal Officer, GKMS





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9 - 33.4 °C and minimum of 15.8 - 22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5 - 8.3 km/hr.

Weather forecast for Senapati (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 33-36 °C & mini. temp. 23 °C. Relative humidity may reach upto 96 % (max) & 72 % (min). The average wind speed may be 3-7 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
				Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
				urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Soybean/	Land prepara			- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/	and Seed col	llection		- Procure quality seed suitable to the site from reliable source.
Blackgram				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
				soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
				Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering ar			- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to ha	arvested		growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
				ml / litre of water.
French Bean	Vegetative			- Weeding may be done.
Colocasia/ alocasia	Land prepara			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
	and planting			
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).
Animal Sciences			12.5	
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccid	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			
Pig	Above 3	Swine l		- Vaccinate against swine fever after the age of 3 months.
	months of	Coccid	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	age			
Cattle	Above 3		I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworn		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage	ement	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ming	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be
				carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.



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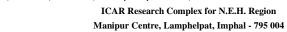


"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.

(I. Meghachandra Singh) Nodal Officer, GKMS









MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9 - 33.4 °C and minimum of 15.8 - 22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5 - 8.3 km/hr.

Weather forecast for Tamenglong (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 33-35 $^{\rm o}C$ & mini. temp. 22-23 $^{\rm o}C$. Relative humidity may reach upto 99 % (max) & 72 % (min). The average wind speed may be 3-6 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
				Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
	1 1			urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Soybean/	Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/	and Seed col			- Procure quality seed suitable to the site from reliable source.
Blackgram				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
				soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
	Managemen			and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
				Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering ar	nd		- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to ha	rvested		growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
				ml / litre of water.
French Bean	Vegetative			- Weeding may be done.
Colocasia/ alocasia	Land prepara	ation		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
	and planting			
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).
Animal Sciences				
Name of bird/ animal	Stage	Disea	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			
Pig	Above 3	Swine I	Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	Coccidi	al infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	age			
Cattle	Above 3	B.Q./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworr		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	_	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworr		Give Albendazole @ 25ml/100kg body weight.
•		Manage		- Fly repellent must be used. Disinfection of farm and primises are to be
				carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.



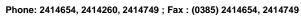
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"Gramin Krishi Mausam Seva"

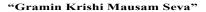
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.

(I. Meghachandra Singh) Nodal Officer, GKMS





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9-33.4 °C and minimum of 15.8-22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5-8.3 km/hr.

Weather forecast for Thoubal (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 30-34 $^{\circ}\text{C}$ & mini. temp. 21-23 $^{\circ}\text{C}$. Relative humidity may reach upto 96 % (max) & 73 % (min). The average wind speed may be 3-11 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
				Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
	Luna prepur	ution		urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Soybean/	Land prepara	otion		- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/	and Seed col			- Procure quality seed suitable to the site from reliable source.
Blackgram	and seed con	nection		
Diacingram				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
C I	D (1)			soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
				Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering as			- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to ha	arvested		growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
				ml / litre of water.
French Bean	Vegetative			- Weeding may be done.
Colocasia/ alocasia	Land prepara	ation		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
	and planting			
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi		Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			2
Pig	Above 3	Swine I	Fever	- Vaccinate against swine fever after the age of 3 months.
8	months of		ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	age	Coccia		onstant, ornitable (o ₂) we three duly for 5 days.
Cattle	Above 3	BO/H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworn		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe	U	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	50	Manage		Napier/ Guinea grass may be planted as fodder crop.
Choon/Cost	A11 omi1-			
Sheep/Goat	All animals	Deworn	•	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be
				carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.



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



"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.

(I. Meghachandra Singh) Nodal Officer, GKMS







MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26th & afternoon of 28th April. Maximum temperature ranged from 27.9 – 33.4 °C and minimum of 15.8 – 22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5 - 8.3km/hr.

Weather forecast for Ukhrul (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 34-36 °C & mini. temp. 21-24 °C. Relative humidity may reach upto 95 % (max) & 69 % (min). The average wind speed may be 3-8 km/hr.

Field Crops						
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface		
				and expose the green aerial sprouts.		
Pre-kharif Rice	e-kharif Rice Panicle initiation			- Maintain the water level of 5-8 cm. Weeding and top dressing with		
				Urea @ 33kg/ ha may be done at panicle initiation stage.		
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of		
				urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application		
				during final ploughing or at the time of sowing.		
Soybean/	Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.		
Groundnut/	and Seed col			- Procure quality seed suitable to the site from reliable source.		
Blackgram				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the		
				soil 1 - 2 weeks before sowing.		
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying		
	Managemen			and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.		
				Check for moisture content or weight of charcoal and dry if required.		
				- Avoid fungal growth and pest rodent in store.		
Horticulture Crops				The state of the s		
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Cucurbits	Flowering an			- Avoid fruits to touch soil. Proper staking may be done for better		
	fruiting to ha			growth.		
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3		
				ml / litre of water.		
French Bean	Vegetative			- Weeding may be done.		
Colocasia/ alocasia	Land prepara	ation		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.		
	and planting					
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row		
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).		
Animal Sciences						
Name of bird/ animal	Stage Dise		ase/ Management	Agro-meteorological advisories		
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.		
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.		
	age groups					
Pig	Above 3	Swine Fever		- Vaccinate against swine fever after the age of 3 months.		
	months of	Coccidi	al infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.		
	age			· · ·		
Cattle	Above 3	B.Q./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.		
	months of	Deworming		Give Albendazole @30 ml per 100kg body weight.		
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.		
	_	Management		Napier/ Guinea grass may be planted as fodder crop.		
Sheep/Goat	All animals	Deworming		Give Albendazole @ 25ml/100kg body weight.		
•		Manage		- Fly repellent must be used. Disinfection of farm and primises are to be		
				carried out strictly. Due care need to be taken to prevent spread of		
				disease caused by flies/ mosquitoes/ ticks, etc.		



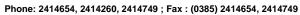
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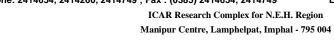


"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			

(I. Meghachandra Singh) Nodal Officer, GKMS







MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9-33.4 °C and minimum of 15.8-22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5-8.3 km/hr.

Weather forecast for Bishnupur (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 31-33 °C & mini. temp. 19-22 °C. Relative humidity may reach upto 98 % (max) & 73 % (min). The average wind speed may be 2-7 km/hr.

Date of issue: 30th April, 2019

Field Crops	- G		75 (171		
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface	
				and expose the green aerial sprouts.	
Pre-kharif Rice	Panicle initiation			- Maintain the water level of 5-8 cm. Weeding and top dressing with	
				Urea @ 33kg/ ha may be done at panicle initiation stage.	
Kharif maize	Kharif maize Land preparat			- Land preparation for maize cultivation can be started. Apply 60kg of	
				urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application	
				during final ploughing or at the time of sowing.	
Soybean/	Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.	
Groundnut/	and Seed col	llection		- Procure quality seed suitable to the site from reliable source.	
Blackgram				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the	
				soil 1 - 2 weeks before sowing.	
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying	
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.	
				Check for moisture content or weight of charcoal and dry if required.	
				- Avoid fungal growth and pest rodent in store.	
Horticulture Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Cucurbits	Flowering an			- Avoid fruits to touch soil. Proper staking may be done for better	
	fruiting to ha	arvested		growth.	
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3	
				ml / litre of water.	
French Bean	Vegetative			- Weeding may be done.	
Colocasia/ alocasia	Land prepara	ation		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.	
	and planting				
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row	
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).	
Animal Sciences					
Name of bird/ animal	Stage	Disea	ase/ Management	Agro-meteorological advisories	
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.	
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.	
	age groups				
Pig	Above 3	Swine Fever		- Vaccinate against swine fever after the age of 3 months.	
	months of	Coccidi	al infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	age				
Cattle			I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.	
				Give Albendazole @30 ml per 100kg body weight.	
	age	Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.	
			ement	Napier/ Guinea grass may be planted as fodder crop.	
Sheep/Goat	All animals Dewo			Give Albendazole @ 25ml/100kg body weight.	
•		Manage	•	- Fly repellent must be used. Disinfection of farm and primises are to be	
		Triumage		carried out strictly. Due care need to be taken to prevent spread of	
				disease caused by flies/ mosquitoes/ ticks, etc.	
				and the state of t	

"Gramin Krishi Mausam Seva"



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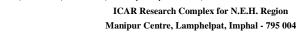


"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			

(I. Meghachandra Singh) Nodal Officer, GKMS







"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (26th to 29th April, 19):

7.2 mm rainfall was observed during the past four days. The skies remained mainly cloudy but mainly clear on 26^{th} & afternoon of 28^{th} April. Maximum temperature ranged from 27.9-33.4 °C and minimum of 15.8-22.0 °C. Mean relative humidity of 83.8 % max & 48.0 % min was recorded in the past four days & average wind speed was 4.5-8.3 km/hr.

Weather forecast for Chandel (1st to 5th May, 2019):

Likely to have fairly widespread rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 30-37 $^{\circ}\text{C}$ & mini. temp. 22-23 $^{\circ}\text{C}$. Relative humidity may reach upto 94 % (max) & 66 % (min). The average wind speed may be 3-9 km/hr.

Field Crops						
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface		
				and expose the green aerial sprouts.		
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with		
	Tamele mitation			Urea @ 33kg/ ha may be done at panicle initiation stage.		
Kharif maize	Land preparation			- Land preparation for maize cultivation can be started. Apply 60kg of		
Kilai ii iiiaizc	Land prepara	ation		urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application		
Soybean/	T and manner	. 4		during final ploughing or at the time of sowing. - Land preparation for sowing soybean/ groundnut may be started.		
Groundnut/	Land prepara					
Blackgram	and Seed col	nection		- Procure quality seed suitable to the site from reliable source.		
Diackgrain				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the		
	-			soil 1 - 2 weeks before sowing.		
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying		
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.		
				Check for moisture content or weight of charcoal and dry if required.		
				- Avoid fungal growth and pest rodent in store.		
Horticulture Crops						
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Cucurbits	Flowering as			- Avoid fruits to touch soil. Proper staking may be done for better		
	fruiting to ha	arvested	3.6	growth.		
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3		
				ml / litre of water.		
French Bean	Vegetative			- Weeding may be done.		
Colocasia/ alocasia	Zana propara			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.		
	and planting					
Ginger & turmeric	Planting			Spacings for planting of ginger (25cm plant to plant and 25-30cm row		
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).		
Animal Sciences		1				
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories		
Poultry (Chicken/	All	Ranikhet disease		Vaccinate birds against Ranikhet disease.		
Duck)	susceptible	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.		
	age groups					
Pig	Above 3	Swine I		- Vaccinate against swine fever after the age of 3 months.		
	months of	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.		
	age					
Cattle	Cattle Above 3		I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.		
	months of	Deworming		Give Albendazole @30 ml per 100kg body weight.		
	age	Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.		
		Management		Napier/ Guinea grass may be planted as fodder crop.		
Sheep/Goat	All animals	Deworming		Give Albendazole @ 25ml/100kg body weight.		
		Management		- Fly repellent must be used. Disinfection of farm and primises are to be		
				carried out strictly. Due care need to be taken to prevent spread of		
				disease caused by flies/ mosquitoes/ ticks, etc.		



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



"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			

(I. Meghachandra Singh) Nodal Officer, GKMS