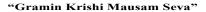


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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/hr.

Weather forecast for Thoubal (24th to 28th August, 2019):

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 32-37 °C & mini. temp. 24-26 °C. Relative humidity may reach upto 99 % (max) & 85 % (min). The average wind speed may be 5 km/hr.

Date of issue: 23rd August, 2019

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering		- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/ Rice Bean	Flowering	Rust in Soybean	- Avoid weeding Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing to		- Treat seeds of blackgram with talc formulation of Trichoderma
	vegetative		viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and
(Mango, Litchi,			Guava from reliable source. Foothills/ hill slope areas are desirable site
guava)			for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch and other leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.
Animal Sciences			



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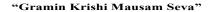
"Gramin Krishi Mausam Seva"

Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Carp culture Seed production		1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/ hr.

Weather forecast for Ukhrul (24th to 28th August, 2019):

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 30-32 °C & mini. temp. 21-23 °C. Relative humidity may reach upto 99 % (max) & 77 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 23rd August, 2019

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering		- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/ 15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/ Rice Bean	Flowering	Rust in Soybean	 - Avoid weeding. - Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to vegetative		 Treat seeds with Carbendazim @ 2g/kg seeds before sowing. Line sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing to vegetative		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants (Mango, Litchi, guava)	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch and other leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.



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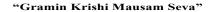


"Gramin Krishi Mausam Seva"

Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Carp culture Seed production		1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	



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





MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/hr.

Weather forecast for Bishnupur (24th to 28th August, 2019):

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 31-35 °C & mini. temp. 24-26 °C. Relative humidity may reach upto 99 % (max) & 82 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 23rd August, 2019

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops	- Cu	TD 4 7 77	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering		- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering		- Avoid weeding.
Rice Bean		Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikks disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to vegetative		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing Line sowing may be done after rains at a spacing of 25-30cm row to
Dlaslaman	G :		row with depth of 2-3cm.
Blackgram	Sowing to vegetative		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1% at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and
(Mango, Litchi, guava)			Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch and other leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.
Animal Sciences			with bixer at 15 days mer var after rams.



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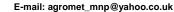
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"Gramin Krishi Mausam Seva"

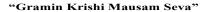
Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	Deworming	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Carp culture Seed production		1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	







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





MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/ hr.

Weather forecast for Chandel (24th to 28th August, 2019):

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 32-35 °C & mini. temp. 23-25 °C. Relative humidity may reach upto 99 % (max) & 82 % (min). The average wind speed may be 4-5 km/hr.

Date of issue: 23rd August, 2019

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Administration Admi	Field Crops			
Gall midge For gall midge, Spray Fipronil @ 2g/15 litre of water after rains.	Name of the crop		Pest and disease	
Sucking insect Leaf folder, bore Spray Imidachloprid @ 8ml/ 15 litres of water after rains.	Kharif Rice	Tillering		
Rice Bean Flowering Rust in Soybean Flowering Rust in Soybean Flowering Rust in Soybean Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains. Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains. Flowering Flower				
Rust in Soybean Rust in Soybean Strike disease in groundnut Flowering Rust in Soybean Rust in Soybean Strike disease in groundnut Flowering Strike disease in groundnut Sowing to vegetative Fruit plants Caulifflower Pruit plants Post and disease Prest and disease Procure seedlings Post planting				
Rust in Soybean Rust in Soybean Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains. Tikka disease in groundnut Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease. Hairy caterpillars For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to vegetative For control if or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. Line sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm. Treat seeds of blackgram with talc formulation of Trichoderma viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25-30cm after rains. Potato			Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
groundnut disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.	Soybean/ Groundnut/ Rice Bean	Flowering	•	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
Millet Sowing to vegetative Blackgram Sowing to vegetative Blackgram Sowing to vegetative Blackgram Sowing to vegetative Land preparation Potato Land preparation Potato Land preparation Post-harvest Management Management Management Management Management Management Management Cauliflower Fruit plants (Mango, Litchi, guava) Conion Sowing/ planting Control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains. - Treat seeds with Carbendazim @ 2g/ kg seeds before sowing Tireat seeds with Carbendazim @ 2g/ kg seeds before sowing Tireat seeds of blackgram with talc formulation of Trichoderma viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm after rains. - Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel. - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Horticulture Crops Name of the crop Stage Pest and disease Agro-meteorological advisories Agro-meteorological advisories - If larval infestation is observed in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval. Cauliflower Fruit plants (Mango, Litchi, guava) Taphrine leaf blotch and other leaf spot with Sixer at 15 days interval after rains. Taphrine leaf blotch and other leaf spot with Sixer at 15 days interval after rains.				- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
Sowing to vegetative Sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm.			Hairy caterpillars	control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after
Potato Land preparation Post-harvest Management Management Stage Pest and disease Ginger Rhizome formation Cauliflower Fruit plants (Mango, Litchi, guava) Onion Sowing/ planting Charles Rhizome initiation Seed storage Rost-harvest Monagement Stage Rhizome initiation Rhizome initiation Rost-harvest Rhizome initiation Raphrine leaf blotch and charles Rapar generation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel. For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and top; if required. For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal and expendence of proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and expendence of proper drying and cleaning of seeds along with dry charcoal and so:20 w/w ratios.	Millet			 Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. Line sowing may be done after rains at a spacing of 25-30cm row to
production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel. Seed storage Post-harvest Management Post-harvest Management Post-harvest Management Post-harvest Management Post-harvest Management Bitage Pest and disease Shoot Borer Pest and disease Shoot Borer Post and disease Shoot Borer If larval infestation sobserved in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval. Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Onion Sowing/ planting Taphrine leaf blotch and other leaf spot with Sixer at 15 days interval after rains.	Blackgram			
Post-harvest Management	Potato	Land preparation		production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with
Name of the crop Stage Pest and disease Agro-meteorological advisories	Seed 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.
Cauliflower Vegetative Vegetative - Avoid water logging in crop field. Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Sowing/ planting Cauliformatical Procure seedlings/ planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Sowing of onion in the upland areas may be started after rains. Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.	Horticulture Crops			
at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval. Cauliflower Fruit plants (Mango, Litchi, guava) Nursery/ planting Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Onion Sowing/ planting Taphrine leaf blotch and other leaf spot Taphrine leaf spot Taphrine leaf spot Taphrine leaf spot Taphrine leaf spot Avoid water logging in crop field. Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Sowing of onion in the upland areas may be started after rains. - Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.	Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Onion Sowing/ planting Taphrine leaf blotch and other leaf spot Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.	Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball. Onion Sowing/ planting Taphrine leaf blotch and other leaf spot Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.	Cauliflower			- Avoid water logging in crop field.
Turmeric Rhizome initiation Taphrine leaf blotch and other leaf spot Sixer at 15 days interval after rains. Taphrine leaf blotch with Sixer at 15 days interval after rains.	Fruit plants (Mango, Litchi, guava)	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid
and other leaf spot with Sixer at 15 days interval after rains.	Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Animal Sciences	Turmeric	Rhizome initiation		- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.
	Animal Sciences			



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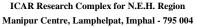
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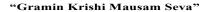


"Gramin Krishi Mausam Seva"

Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Carp culture Seed production		1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	









MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20th and morning hours of 22nd Aug. Maximum temperature ranged from 31.0 - 31.7 °C and minimum of 21.2 - 23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2 - 3.3 km/hr.

Weather forecast for Churachandpur (24th to 28th August, 2019):

Date of issue: 23rd August, 2019

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Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 32-35 °C & mini. temp. 23-25 °C. Relative humidity may reach upto 99 % (max) & 76 % (min). The average wind speed may be 3

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering	1 obt mid disease	- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/ 15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering	Ecul forder, corer	- Avoid weeding.
Rice Bean	Tiowering	Rust in Soybean	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to vegetative		 Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. Line sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing to vegetative		- Treat seeds of blackgram with talc formulation of <i>Trichoderma</i> viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants (Mango, Litchi, guava)	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch and other leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.
Animal Sciences			



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"Gramin Krishi Mausam Seva"

Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Carp culture Seed production		1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	



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

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/ hr.

Weather forecast for Imphal East (24th to 28th August, 2019):

Date of issue: 23rd August, 2019

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 32-35 °C & mini. temp. 23-25 °C. Relative humidity may reach upto 97 % (max) & 69 % (min). The average wind speed may be 4-5 km/hr.

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering	1 obt mid disease	- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/ 15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering	Ecul forder, corer	- Avoid weeding.
Rice Bean	Tiowering	Rust in Soybean	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to vegetative		 Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. Line sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing to vegetative		- Treat seeds of blackgram with talc formulation of <i>Trichoderma</i> viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%) at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants (Mango, Litchi, guava)	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch and other leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.
Animal Sciences			



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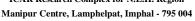
"Gramin Krishi Mausam Seva"

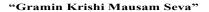
Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	Deworming	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Carp culture Seed production		1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	



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MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20th and morning hours of 22nd Aug. Maximum temperature ranged from 31.0 - 31.7 °C and minimum of 21.2 - 23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2 - 3.3 km/hr.

Weather forecast for Imphal West (24th to 28th August, 2019):

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 32-35 °C & mini. temp. 23-25 °C. Relative humidity may reach upto 99 % (max) & 59 % (min). The average wind speed may be 3

Date of issue: 23rd August, 2019

- 1. Harvest rain water wherever possible. Construct proper drainage system in and around the crop field and sheds of birds and animals. Add sanitizer in drinking water of birds and animals during rainy days.
- Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering		- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/ 15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/ Rice Bean	Flowering	Rust in Soybean	- Avoid weeding Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikk disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to vegetative		 Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. Line sowing may be done after rains at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing to vegetative		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			Check for moisture content of weight of charcoal and dry if required.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1% at monthly interval. Pruning of freshly infested shoots may also be done at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants (Mango, Litchi, guava)	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and Guava from reliable source. Foothills/ hill slope areas are desirable site for establishment of new orchards. Planting material/ nursery must be handled carefully to avoid any damage to the plant and also avoid breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch and other leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval after rains.



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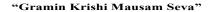


"Gramin Krishi Mausam Seva"

Animal Sciences				
Name of bird/ anin	nal Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or ski infection	n - Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups except three	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.	
months or below		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Seed production		1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval	
			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	
		Fish	Select fully matured male and female brood fish for induced breeding	



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







District: Senapati

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/ hr.

Weather forecast for Senapati (24th to 28th August, 2019):

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Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 30-32 °C & mini. temp. 21-23 °C. Relative humidity may reach upto 99 % (max) & 75 % (min). The average wind speed may be 4 km/hr.

Date of issue: 23rd August, 2019

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering	1 est and disease	- Maintain water level of 5-8 cm in the crop field.
Isharir Ricc	Timering	Gall midge	- For gall midge, spray Fipronil @ 2g/ 15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
G 1 / G 1 //	T21 .	Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/ Rice Bean	Flowering	Rust in Soybean	- Avoid weeding Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka
		groundnut	disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with
			linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after rains.
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done after rains at a spacing of 25-30cm row to
			row with depth of 2-3cm.
Blackgram	Sowing to		- Treat seeds of blackgram with talc formulation of Trichoderma
	vegetative		viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a
			spacing of 25x10cm after rains.
Potato	Land preparation		- Land preparation for planting potato for early crop and also for
	1 1		production of seed may be started after the rains in foothills and upland
			area. Select the area with fertile and sandy loam soil rather than with
			stone and gravel.
Seed storage	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Management		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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%)
			at monthly interval. Pruning of freshly infested shoots may also be done
			at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and
(Mango, Litchi,			Guava from reliable source. Foothills/ hill slope areas are desirable site
guava)			for establishment of new orchards. Planting material/ nursery must be
			handled carefully to avoid any damage to the plant and also avoid
			breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately
		and other leaf spot	with Sixer at 15 days interval after rains.
Animal Sciences			



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



"Gramin Krishi Mausam Seva"

Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
below		Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Seed production	production Pond and Water 1	1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	



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

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (20th to 22nd August, 2019):

0.4 mm rainfall was observed during the past three days. The skies remained mainly cloudy to cloudy but partly cloudy during afternoon hours of 20^{th} and morning hours of 22^{nd} Aug. Maximum temperature ranged from 31.0-31.7 °C and minimum of 21.2-23.4 °C. Mean relative humidity of 84 % max & 60.7 % min was recorded in the past four days & average wind speed was 2.2-3.3 km/ hr.

Weather forecast for Tamenglong (24th to 28th August, 2019):

Date of issue: 23rd August, 2019

Likely to have light to moderate rains upto Sunday. The sky will remain mainly cloudy to overcast upto Sunday then partly cloudy upto Wednesday with max. temp. 35-39 °C & mini. temp. 24-27 °C. Relative humidity may reach upto 99 % (max) & 68 % (min). The average wind speed may be 3 km/hr.

- 1. Harvest rain water wherever possible. Add sanitizer in drinking water of birds and animals during rainy days.
- 2. Harvest mature crops after rains. Insect-pest sprays, fertilizer application and inter-culture operations may be done after rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice Tillering			- Maintain water level of 5-8 cm in the crop field.
		Gall midge	- For gall midge, spray Fipronil @ 2g/ 15 litre of water after rains.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
		Leaf folder, borer	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering	·	- Avoid weeding.
Rice Bean	,	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water after rains to control Tikka
		groundnut	disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with
			linseed oil as sticker at an interval of 15 days are effective in checking
			the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) after
7.547			rains.
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done after rains at a spacing of 25-30cm row to
DI I	G .		row with depth of 2-3cm.
Blackgram	Sowing to		- Treat seeds of blackgram with talc formulation of <i>Trichoderma</i>
	vegetative		viride @ 4g/kg of seed. In rainfed condition, dibble the seeds at a
Potato	I and managetica		spacing of 25x10cm after rains.
rotato	Land preparation		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland
			area. Select the area with fertile and sandy loam soil rather than with
			stone and gravel.
Seed storage	Post-harvest		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
been brozuge	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
	Management		Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Ginger	Rhizome formation	Shoot Borer	- If larval infestation is observed in shoots then spray Malathion (0.1%)
			at monthly interval. Pruning of freshly infested shoots may also be done
			at 15 days interval.
Cauliflower	Vegetative		- Avoid water logging in crop field.
Fruit plants	Nursery/ planting		Procure seedlings/ planting material of good strains of Mango, Litchi and
(Mango, Litchi,			Guava from reliable source. Foothills/ hill slope areas are desirable site
guava)			for establishment of new orchards. Planting material/ nursery must be
			handled carefully to avoid any damage to the plant and also avoid
			breakage of earth ball.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started after rains.
Turmeric	Rhizome initiation	Taphrine leaf blotch	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately
		and other leaf spot	with Sixer at 15 days interval after rains.
Animal Sciences			
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"Gramin Krishi Mausam Seva"

Name of bird/ anima	al Stage	Disease/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All susceptible	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.	
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or sl infection	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.	
	months of age	Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.	
		Management	- Provide wholesome water.	
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three		vitamins like Livozyme @ 50ml twice daily.	
	months or below	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
below		Ectoparasite	accompanied with Livozyme @ 50ml daily.	
Fishery:				
Carp culture	Seed production	production Pond and Water 1	1.Water depth should be maintained at 2.0 m	
			2. Apply lime 30 Kg/ha every 30 days interval	
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	
		Fish	Select fully matured male and female brood fish for induced breeding	