



MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019):

Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 32-38 °C & mini. temp. 24-27 °C. Relative humidity may reach upto 100 % (max) & 66 % (min). The average wind speed may be 2-5 km/hr.

Date of issue: 27th August, 2019

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy
G 1 4	D 11		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
	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
Horticulture Crops			Check for moisture content or 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
omger	Tanzonie formation	Shoot Borer	monthly interval. Pruning of freshly infested shoots may also be done at 15
			days interval.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	1 &		as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
			water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.
Onion	Sowing/ planting		



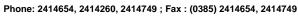
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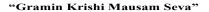


"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 15 days interval.
King Chilli	Flowering to fruiting			- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl disease	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Dewor	ming	- 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	Coccidi	iosis	- 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 Endo/ Ecto parasite or skin infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age			- 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	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed production	Pond as		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



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MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019):

Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 97 % (max) & 70 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 27th August, 2019

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed 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
	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
G 110			days interval.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
			as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
	~		water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.



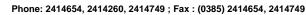
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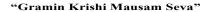


"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	Will office at 15 days meet val.
King Chilli	Flowering to fruiting	•		- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl diseas	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Disea	se/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Deworn	ning	- 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	Coccidio	osis	- 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.
o o	months of age	Endo/ Ecto parasite or skin infection		, ₂ ,
	uge		ment	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Fascioli	asis	- 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:				·
	ed production	Pond an	d Water	1.Water depth should be maintained at 2.0 m
Pompe	1			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









MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019):

Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 32-38 °C & mini. temp. 24-27 °C. Relative humidity may reach upto 100 % (max) & 66 % (min). The average wind speed may be 2-5 km/hr.

Date of issue: 27th August, 2019

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed 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
	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	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
			as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
	~		water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.



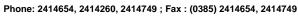
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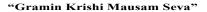


"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 15 days interval.
King Chilli	Flowering to fruiting			- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl disease	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Dewor	ming	- 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	Coccidi	iosis	- 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 Endo/ Ecto parasite or skin infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age			- 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	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed production	Pond as		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



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MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019):

Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 99 % (max) & 67 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 27th August, 2019

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- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

Field Crops		1	
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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed 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	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
			as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/lit of
			water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.



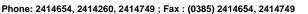
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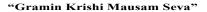
"Gramin Krishi Mausam Seva"

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.
King Chilli	Flowering to fruiting)		- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
		I	Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
		I	Leaf curl disease	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Disease	e/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Deworm	ing	- 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	Coccidios	sis	- 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 Endo/ Ecto parasite or skin infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age			- 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	Fasciolias	sis	- 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	Endopara Ectoparas		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed production	Pond and		.Water depth should be maintained at 2.0 m . Apply lime 30 Kg/ha every 30 days interval
		Feed	F	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two plits
		Fish		elect 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: Churachandpur

Past weather for the of Imphal West (23rd to 26th August, 2019):
5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24th and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019):

Date of issue: 27th August, 2019

Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 34-38 °C & mini. temp. 25-27 °C. Relative humidity may reach upto 97 % (max) & 62 % (min). The average wind speed may be 3-5 km/hr.

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed 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 M. L. L. C. L. C
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
Cauliflower	N		days interval.
Caulillower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
Passion fruit	Fruiting		as Swetha may be started so as to give continuous supply to the market.
Passion iruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies. - To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
			water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.
Omon	Sowing/ planting		- sowing of official title upland areas may be started.



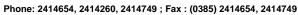
E-mail: agromet_mnp@yahoo.co.uk

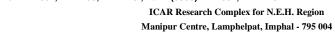
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"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with Shor at 15 days interval.
King Chilli	Flowering to fruiting)		- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl diseas	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Disea	se/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Deworr	ning	- 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	Coccidi	osis	- 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 skin infection		in - Inject Neomac @ 1 ml/ 10 kg body weight.
	C	Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Fascioli	asis	- 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:				· · · · · · · · · · · · · · · · · · ·
	ed production	Pond an	d Water	1.Water depth should be maintained at 2.0 m
Pomor	1			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







MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019): Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 97 % (max) & 64 % (min). The average wind speed may be 3-6 km/hr.

Date of issue: 27th August, 2019

General Advisory:

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.

"Gramin Krishi Mausam Seva"

- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy
G 1 4	D 11		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
	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
Horticulture Crops			Check for moisture content or 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
Ginger	Tanzonie formation	Shoot Borer	monthly interval. Pruning of freshly infested shoots may also be done at 15
			days interval.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	1 &		as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
			water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.
Onion	Sowing/ planting		



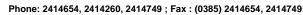
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 15 days interval.
King Chilli	Flowering to fruiting			- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl disease	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Dewor	ming	- 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	Coccidi	iosis	- 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 Endo/ Ecto parasite or skin infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age			- 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	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed production	Pond as		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





"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019): Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 99 %

(max) & 67 % (min). The average wind speed may be 2-3

Date of issue: 27th August, 2019

km/hr.

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
	J	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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to	Lear forder	- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
	nutting/ pegging	Rust III Soybean	after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
			groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
		groundnut	as sticker at an interval of 15 days are effective in checking the disease.
		Hoimy ootomillons	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
		Hairy caterpillars	
Man.4	C. Jane A.		control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done at a spacing of 25-30cm row to row with
DI I	G		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
D 4 4			spacing of 25x10cm.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed 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
	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	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
			as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
			water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.



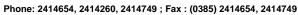
E-mail: agromet_mnp@yahoo.co.uk

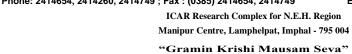
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 13 days interval.
King Chilli Flowering to fruiting				- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl disease	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
=	All susceptible	Deworming Coccidiosis		- 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.
				- 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 months of age	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
		Endo/ Ecto parasite or skin 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	Fasciol	iasis	- 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.
		Manage	ement	- Provide wholesome water.
	All age groups except three	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed production	d production Pond an		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







MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (23rd to 26th August, 2019):

5.5 mm rainfall was observed during the past four days. The skies remained cloudy upto 24^{th} and mainly clear to partly cloudy thereafter. 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 (28th Aug to 1st Sept, 2019):

Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 99 % (max) & 66 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 27th August, 2019

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed 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	1		
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
Cauliflower	N		days interval.
Caulillower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
D	E:4:		as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @ 1ml/ 4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
Onion	Corring/planting		water and soil drenching with 1% Bordeaux mixture. - Sowing of onion in the upland areas may be started.
Onion	Sowing/ planting		- sowing of official the upland areas may be started.



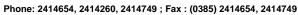
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Turmeric	Rhizome init	blotch and ot leaf spot	with Sixer at 15 days interval.
King Chilli Flowering to fruiting			- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/litre of water may be given for control of disease.
		Dieback dise	- After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
		Leaf curl dise	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences	•		
Name of bird/ animal	Stage	Disease/ Managemen	nt 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 gr	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 months of age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
		Endo/ Ecto parasite or infection	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle		Fascioliasis	- De-worming with suitable Anthelmatics against Faciolasis.
		Deworming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	- Provide wholesome water.
	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:			
•	ed production	Pond and Water	1.Water depth should be maintained at 2.0 m
P	1		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







"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (23rd to 26th August, 2019):

0.4 mm rainfall was observed during the past four 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 (28th Aug to 1st Sept, 2019): Likely to have light rains upto Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 99 % (max) & 67 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 27th August, 2019

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- 2. Mulching may be done to conserve available soil moisture.
- 3. Monitor insect-pest infestation in crops.

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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/ Groundnut/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Rice Bean	fruiting/ pegging	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 to control Tikka disease in
		groundnut	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).
Millet	Sowing to		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	vegetative		- Line sowing may be done 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.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy
G 1 4	D 11		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
	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
Horticulture Crops			Check for moisture content or 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
Giligei	Tanzonie formation	Shoot Borer	monthly interval. Pruning of freshly infested shoots may also be done at 15
			days interval.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	1 &		as Swetha may be started so as to give continuous supply to the market.
Passion fruit	Fruiting		- Spray Carbaryl @ 1g/ lit water or apply poison baiting with jaggary +
			fruit juice + malathion (20:20:1) @ 40-50 baits/ ha to control fruit flies.
			- To protect the fruit from thrips damage apply Imidachlorpid 17.8% SL @
			1ml/4 lit of water.
			- For collar rot disease, spray copper fungicide or Redomil @ 2.5g/ lit of
			water and soil drenching with 1% Bordeaux mixture.
Onion	Sowing/ planting		- Sowing of onion in the upland areas may be started.
Onion	Sowing/ planting		



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



"Gramin Krishi Mausam Seva"

Animal Sciences Name of bird/ animal Poultry (Chicken/ Duck) All Su	Stage All usceptible ge groups	Dieback dise Leaf curl dise Disease/ Manageme Deworming Coccidiosis	ease	- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water. - After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease. Agro-meteorological advisories - 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.
Name of bird/ animal Poultry (Chicken/ Duck) A Su	All usceptible	Leaf curl disc Disease/ Manageme Deworming	ease	75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water. - After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease. Agro-meteorological advisories - Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next
Name of bird/ animal Poultry (Chicken/ Duck) A Su	All usceptible	Disease/ Manageme Deworming		control white fly which is vector for transmission of the disease. Agro-meteorological advisories - Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next
Name of bird/ animal Poultry (Chicken/ Duck) A Su	All usceptible	Deworming	ent	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next
Poultry (Chicken/ Duck) Su	All usceptible	Deworming	ent	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next
Duck) su	usceptible			
ag	ge groups	Coccidiosis		
		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 A	Above 3 months of age	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
		Endo/ Ecto parasite or skin 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 A	Above 3 months of age	Fascioliasis		- De-worming with suitable Anthelmatics against Faciolasis.
		Deworming		Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management		- Provide wholesome water.
ex		Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	nonths or elow	Endoparasite/ Ectoparasite		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:		•		
	production	Pond and Water	1.W	ater depth should be maintained at 2.0 m
Jan	1			Apply lime 30 Kg/ha every 30 days interval
	-	Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day splits	
		Fish		ect fully matured male and female brood fish for induced breeding