



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

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2-3.0 km/hr.

Weather forecast for Thoubal (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from 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) & 89 % (min). The average wind speed may be 3-8 km/hr.

Date of issue: 30th 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.
- 4. Insect pest management sprays may be done before rains.

5. Harvest ra	ain water if it 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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Groundnut/ Rice	fruiting/ pegging	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
Bean			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 <i>Trichoderma</i>
	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			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.
Handinaltona Comm			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
omger	Tunzonie Tormanon	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
			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.



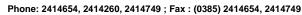
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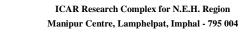
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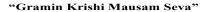


"Gramin Krishi Mausam Seva"

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
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	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	Coccidi	ial 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	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 months or	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed 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: Ukhrul

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2–3.0 km/ hr.

Weather forecast for Ukhrul (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 32-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 99 % (max) & 80 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 30th 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.
- 4. Insect pest management sprays may be done before rains.

Field Crops Name of the crop Stage Pest and disease Agro-meteorological adv	
	visories .
Kharif Rice Tillering - Maintain water level of 5-8 cm in the crop	
Gall midge - For gall midge, spray Fipronil @ 2g/15 litt	
Sucking insect - Spray Imidachloprid @ 8ml/ 15 litres of wa	
Stem borer - For stem borer, spray Chlorantraniliprole 2	
Leaf folder - Spray Lambdacyhothrin @ 15 ml/ 15 litre	
Soybean/ Flowering to - Keep the plot clean to avoid insect pest info	
Groundnut/ Rice fruiting/ pegging Rust in Soybean - Spray Mancozeb 75% WP @ 1.25 to 2 kg after rains.	
Tikka disease in - Spray Carbendazim @ 0.5g / lit of water	to control Tikka disease in
groundnut groundnut or 3 sprayings of Bordeaux mixt	
as sticker at an interval of 15 days are effecti	
Hairy caterpillars - For control of red hairy caterpillars, dust 50 control it or spray Dichlorovos 76 EC 0.05%	% Malathion @ 20 kg/ ha to
Millet Sowing to - Treat seeds with Carbendazim @ 2g/ kg se	
vegetative - Line sowing may be done at a spacing of	
depth of 2-3cm.	
Blackgram Sowing to - Treat seeds of blackgram with talc	formulation of Trichoderma
vegetative viride @ 4g/kg of seed. In rainfed condi	
spacing of 25x10cm.	
Potato Land preparation - Prepare land for planting potato for early continuous continuo	rop and also for production
of seed in foothills and upland area. Select the	ne 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-S	
Management and cleaning of seeds along with dry ch	arcoal at 80:20 w/w ratios.
Check for moisture content or weight of cha	rcoal and dry if required.
Horticulture Crops	
Name of the crop Stage Pest and disease Agro-meteorological advi	sories
Ginger Rhizome formation Shoot Borer - If larval infestation is observed in shoots the	
monthly interval. Pruning of freshly infested s	hoots may also be done at 15
days interval.	
Cauliflower Nursery Field preparation must be completed for transport	
transplanting variety such as white flash and nursery site for	
as Swetha may be started so as to give continu	
Passion fruit Fruiting - Spray Carbaryl @ 1g/ lit water or apply pois	
fruit juice + malathion (20:20:1) @ 40-50 bait	
- To protect the fruit from thrips damage apply	y Imidachlorpid 17.8% SL @
1ml/4 lit of water.	
- For collar rot disease, spray copper fungicide	
water and soil drenching with 1% Bordeaux m	
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 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
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	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	Coccidi	ial 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	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 months or	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed 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



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MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2-3.0 km/ hr.

Weather forecast for Bishnupur (31st Aug to 4th Sept, 2019):

E-mail: agromet_mnp@yahoo.co.uk

Likely to have light to moderate rains from Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 32-37 °C & mini. temp. 24-27 °C. Relative humidity may reach upto 100 % (max) & 80 % (min). The average wind speed may be 4-8 km/hr.

Date of issue: 30th August, 2019

- 1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
- Mulching may be done to conserve available soil moisture.
- Monitor insect-pest infestation in crops.
- Insect pest management sprays may be done before rains.
- Harvest rain water if it rains

	in water if it 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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to	Zemi ioidei	- Keep the plot clean to avoid insect pest infestation.
Groundnut/ Rice	fruiting/ pegging	Rust in Soybean	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
Bean	maning pessins	reast in Soyocan	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
		groundilut	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
		many caterpinars	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.
Millet			- Treat seeds with Carbendazini & 2g/ kg seeds before sowing. - Line sowing may be done at a spacing of 25-30cm row to row with
	vegetative		
Blackgram	Camina ta		depth of 2-3cm.
ыаскугаш	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
			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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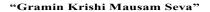
"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 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
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	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	Coccidi	ial 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	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 months or	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed 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





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MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27^{th} then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1–33.3 °C and minimum of 21.4–22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2–3.0 km/ hr.

Weather forecast for Chandel (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 34-35 $^{\circ}$ C & mini. temp. 25-26 $^{\circ}$ C. Relative humidity may reach upto 98 % (max) & 81 % (min). The average wind speed may be 3-7 km/hr.

Date of issue: 30th 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.
- 4. Insect pest management sprays may be done before rains.

5. Harvest ra	in water if it 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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Groundnut/ Rice	fruiting/ pegging	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
Bean	0 1 00 0	·	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
		8	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
		<i>y</i>	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 <i>Trichoderma</i>
Ü	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
	r		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
ð	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			<u> </u>
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.
	0 1		



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"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
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	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	Coccidi	ial 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	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 months or	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed 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



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

Phone: 2414654, 2414260, 2414749; Fax: (0385) 2414654, 2414749

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2–3.0 km/ hr.

Weather forecast for Churachandpur (31st Aug to 4th Sept,

Date of issue: 30th August, 2019

Likely to have light to moderate rains from Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 32-34 °C & mini. temp. 22 °C. Relative humidity may reach upto 99 % (max) & 67 % (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.
- Mulching may be done to conserve available soil moisture.
- Monitor insect-pest infestation in crops.
- 4. Insect pest management sprays may be done before rains.

	in water if it 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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Groundnut/ 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
		groundilut	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
		nany caterphiais	
Millet	Coving 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
Blackgram	C. C. L.		depth of 2-3cm.
Біаскугані	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 ()	Y 1		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			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	T gr		
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
C 11.01	N.		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
	To the		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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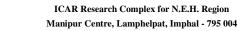
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"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
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	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	Coccidi	ial 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	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 months or	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed 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: Imphal East

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2-3.0 km/hr.

Weather forecast for Imphal East (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 22 °C. Relative humidity may reach upto 97 % (max) & 70 % (min). The average wind speed may be 4-7 km/hr.

Date of issue: 30th 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.
- Insect pest management sprays may be done before rains.

	in water if it rains.		
Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering	r est and disease	- Maintain water level of 5-8 cm in the crop field.
	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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to	Leaf folder	- Spray Lambdacynothin @ 13 hii/ 13 hite water after fams. - Keep the plot clean to avoid insect pest infestation.
Groundnut/ Rice Bean	fruiting/ pegging	Rust in Soybean	- Reep the plot clean to avoid insect pest infestation 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
	1 5		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.
	0 1		1



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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 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
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	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	Coccidi	ial 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	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 months or	Fasciol	iosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	ed 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





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



"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2-3.0 km/hr.

Weather forecast for Imphal West (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from Sunday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 22 °C. Relative humidity may reach upto 97 % (max) & 57 % (min). The average wind speed may be 3-6 km/hr.

Date of issue: 30th 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.
- 4. Insect pest management sprays may be done before rains.

5. Harvest ra	ain water if it 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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to		- Keep the plot clean to avoid insect pest infestation.
Groundnut/ Rice	fruiting/ pegging	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
Bean			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 <i>Trichoderma</i>
	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 RC-Seed Bin after proper drying
	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
Handinaltona Comm			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
omger	Tunzonie Tormanon	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 8		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.



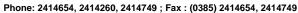
E-mail: agromet_mnp@yahoo.co.uk

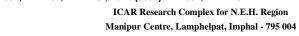
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 13 days interval.
King Chilli	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	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 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.
		Manage	ement	- 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.
		Manage	ement	- 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.
		Endoparasite/ Ectoparasite		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: Senapati

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27^{th} then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1–33.3 °C and minimum of 21.4–22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2–3.0 km/hr.

Weather forecast for Senapati (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from 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) & 78 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 30th 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.
- 4. Insect pest management sprays may be done before rains.
- 5. Harvest rain water if it rains.

	in water if it 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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to	Zemi ioidei	- Keep the plot clean to avoid insect pest infestation.
Groundnut/ Rice	fruiting/ pegging	Rust in Soybean	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
Bean	maning pessins	reast in Soyocan	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
		groundilut	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
		many caterpinars	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.
Millet			- Treat seeds with Carbendazini & 2g/ kg seeds before sowing. - Line sowing may be done at a spacing of 25-30cm row to row with
	vegetative		
Blackgram	Carriera ta		depth of 2-3cm.
ыаскугаш	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
			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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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



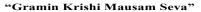
"Gramin Krishi Mausam Seva"

Turmeric	Rhizome initiation		Taphrine leaf blotch and other leaf spot	with bixer at 13 days interval.
King Chilli	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	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 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.
		Manage	ement	- 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.
		Manage	ement	- 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.
		Endoparasite/ Ectoparasite		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



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (27th to 29th August, 2019):

6.2 mm rainfall was observed during the past three days. The skies remained mainly clear on 27th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.1-33.3 °C and minimum of 21.4-22.2 °C. Mean relative humidity of 90% max & 66.7% min was recorded in the past three days & average wind speed was 1.2-3.0 km/hr.

Weather forecast for Tamenglong (31st Aug to 4th Sept, 2019):

Likely to have light to moderate rains from 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 98 % (max) & 65 % (min). The average wind speed may be 3-6 km/hr.

Date of issue: 30th 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.
- Insect pest management sprays may be done before rains.

	in water if it rains.		
Field Crops Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering	r est and disease	- Maintain water level of 5-8 cm in the crop field.
	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.
		Stem borer	- For stem borer, spray Chlorantraniliprole 23.5% @ 40 ml/ha.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water after rains.
Soybean/	Flowering to	Lear forder	- Keep the plot clean to avoid insect pest infestation.
Groundnut/ 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
	1 0		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		bowing of onion in the upland areas may be started.



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"Gramin Krishi Mausam Seva"

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			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.
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Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ 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 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.
		Manage	ement	- 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.
		Manage	ement	- 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.
		Endoparasite/ Ectoparasite		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
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		Fish		Select fully matured male and female brood fish for induced breeding