

(0385) 2414654, 2414749 E-mail: agromet_mnp@yahoo.co.uk

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

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 - 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 - 2.9 km/ hr.

Weather forecast for Tamenglong (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 27-28 °C & mini. temp. 20-21 °C. Relative humidity may reach upto 99 % (max) & 84 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/ litre water.
- 2. Provisions may be made to harvest rain water in the fields for nursery/ sowing.
- 3. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

	ing or curtiling up or in	isect pest sprays and	fertilizer applications mentioned below during rainy days.
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main		- Maintain water level just to submerge the soil surface and expose the
	field preparation		green aerial sprouts. Drain out excess water if accumulated due to
			rains.
			- Land preparation for transplanting of rice seedlings may be started.
			Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time
			of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to		- Maintain water level at 5-8 cm. Drain out excess water if accumulated
	maturity		in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/	Early vegetative		- Weeding may be done after rains.
Blackgram/ Rice Bean			- Avoid leaf eating caterpillars.
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			
			drains may be made to drain out accumulated water in the field and the
	ed to raise the beds lev	el. Raised and sunke	n bed system may also be adopted.
N.Y. 0.48			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Stage Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old
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Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
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Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in
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Colocasia Turmeric Cauliflower	Vegetative Vegetative Nursery	Pest and disease	Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.
Colocasia	Vegetative Vegetative Nursery Flowering to	Pest and disease Red Pumpkin	Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers. - Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Colocasia Turmeric Cauliflower	Vegetative Vegetative Nursery	Pest and disease	Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.





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"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups	susceptible		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
	Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.	
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
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	Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

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MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 – 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 - 2.9 km/hr.

Weather forecast for Thoubal (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-24 °C. Relative humidity may reach upto 98 % (max) & 86 % (min). The average wind speed may be 3-6 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/
- Provisions may be made to harvest rain water in the fields for nursery/ sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main field preparation		 Maintain water level just to submerge the soil surface and expose the green aerial sprouts. Drain out excess water if accumulated due to rains. Land preparation for transplanting of rice seedlings may be started. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to maturity		 Maintain water level at 5-8 cm. Drain out excess water if accumulated in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Early vegetative		Weeding may be done after rains.Avoid leaf eating caterpillars.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper dryin and cleaning of seeds along with dry charcoal at 80:20 w/w ratio. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
			drains may be made to drain out accumulated water in the field and the en bed system may also be adopted.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Vegetative		At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spra Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice of thrice at 10 days interval after this wet spell.
Turmeric	Vegetative		- Weeding and interculture operation may be done after rains and appl 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area or i rain protective structures/ low cost polyhouse is available with the farmers.
Cucurbits	Flowering to	Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
	fruiting and harvesting	Beetle	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-ml / litre of water.





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"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups	susceptible		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
	Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.	
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
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	Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

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MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 – 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 - 2.9 km/hr.

Weather forecast for Ukhrul (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 27-28 °C & mini. temp. 20-21 °C. Relative humidity may reach upto 96 % (max) & 74 % (min). The average wind speed may be 4-5 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/
- Provisions may be made to harvest rain water in the fields for nursery/ sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main field preparation		 Maintain water level just to submerge the soil surface and expose the green aerial sprouts. Drain out excess water if accumulated due to rains. Land preparation for transplanting of rice seedlings may be started. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to maturity		 Maintain water level at 5-8 cm. Drain out excess water if accumulated in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Early vegetative		Weeding may be done after rains.Avoid leaf eating caterpillars.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper dryin and cleaning of seeds along with dry charcoal at 80:20 w/w ratio. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
			drains may be made to drain out accumulated water in the field and the en bed system may also be adopted.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Vegetative		At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spra Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice of thrice at 10 days interval after this wet spell.
Turmeric	Vegetative		- Weeding and interculture operation may be done after rains and appl 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area or i rain protective structures/ low cost polyhouse is available with the farmers.
Cucurbits	Flowering to	Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
	fruiting and harvesting	Beetle	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-ml / litre of water.





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Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups	susceptible		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
	Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.	
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
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	Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

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MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (4th to 6th June, 19):

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Weather forecast for Bishnupur (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

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- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/
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Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main		- Maintain water level just to submerge the soil surface and expose the
	field preparation		green aerial sprouts. Drain out excess water if accumulated due to
			rains.
			- Land preparation for transplanting of rice seedlings may be started.
			Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time
			of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to		- Maintain water level at 5-8 cm. Drain out excess water if accumulated
	maturity		in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/	Early vegetative		- Weeding may be done after rains.
Blackgram/ Rice Bean			- Avoid leaf eating caterpillars.
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			
			drains may be made to drain out accumulated water in the field and the
	ed to raise the beds lev	el. Raised and sunke	n bed system may also be adopted.
N.Y. 0.48			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Stage Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old
	0		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just
	0		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month.
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	0		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam.
	0		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray
	0		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or
Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
	0		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply
Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in
Colocasia	Vegetative		Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the
Colocasia Turmeric Cauliflower	Vegetative Vegetative Nursery	Pest and disease	Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.
Colocasia	Vegetative Vegetative Nursery Flowering to	Pest and disease Red Pumpkin	Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers. - Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Colocasia Turmeric Cauliflower	Vegetative Vegetative Nursery	Pest and disease	Agro-meteorological advisories At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.





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



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups	susceptible		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
	Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.	
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
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	Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

SMS:



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

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 – 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 - 2.9 km/hr.

Weather forecast for Chandel (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

E-mail: agromet_mnp@yahoo.co.uk

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-24 °C. Relative humidity may reach upto 95 % (max) & 79 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/
- Provisions may be made to harvest rain water in the fields for nursery/ sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main field preparation		 Maintain water level just to submerge the soil surface and expose the green aerial sprouts. Drain out excess water if accumulated due to rains. Land preparation for transplanting of rice seedlings may be started. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to maturity		 Maintain water level at 5-8 cm. Drain out excess water if accumulated in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Early vegetative		Weeding may be done after rains.Avoid leaf eating caterpillars.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper dryin and cleaning of seeds along with dry charcoal at 80:20 w/w ratio. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
			drains may be made to drain out accumulated water in the field and the en bed system may also be adopted.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Vegetative		At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spra Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice of thrice at 10 days interval after this wet spell.
Turmeric	Vegetative		- Weeding and interculture operation may be done after rains and appl 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area or i rain protective structures/ low cost polyhouse is available with the farmers.
Cucurbits	Flowering to	Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
	fruiting and harvesting	Beetle	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-ml / litre of water.





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



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups	susceptible		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
	Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.	
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
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	Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

SMS:



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



"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $30.9-32.1~^{\circ}\text{C}$ and minimum of $19.0\text{-}21.4~^{\circ}\text{C}$. Mean relative humidity of $81.33~^{\circ}\text{m}$ max & $58.0~^{\circ}\text{m}$ min was recorded in the past three days & average wind speed was 2.7-2.9~km/hr.

Weather forecast for Churachandpur (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-24 °C. Relative humidity may reach upto 99 % (max) & 63 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/ litre water.
- 2. Provisions may be made to harvest rain water in the fields for nursery/ sowing.
- 3. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops Name of the crop Kharif Rice			
	Stage	Pest and disease	Agro-meteorological advisories
IXIIai II IXICC	Nursery to main		- Maintain water level just to submerge the soil surface and expose the
	field preparation		green aerial sprouts. Drain out excess water if accumulated due to
	1 1		rains.
			- Land preparation for transplanting of rice seedlings may be started.
			Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time
			of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice G	Grain filling to		- Maintain water level at 5-8 cm. Drain out excess water if accumulated
n	naturity		in the crop field due to rains.
Kharif maize E	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ E	Early vegetative		- Weeding may be done after rains.
Blackgram/ Rice Bean			- Avoid leaf eating caterpillars.
Seed storage P	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
N	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			
* For cultivation of vege	etables in low lying a	rea, ponds/channels/	drains may be made to drain out accumulated water in the field and the
soil from it may be used	l to raise the beds lev	el. Raised and sunke	n bed system may also be adopted.
Name of the crop	Stage	Pest and disease	
•		1 est and disease	Agro-meteorological advisories
	Vegetative	1 est and disease	At present, earthing up may be done after rains at 1 or 1 ½ month old
	Vegetative	r est and disease	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just
	Vegetative	r est and discuse	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month.
	Vegetative	a est tira disease	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg
	Vegetative	r est tilla disease	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam.
	Vegetative	z est tild disease	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray
	Vegetative	Test that disease	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or
Colocasia V		a est tilla disease	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Colocasia V	Vegetative Vegetative	A CST III C	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply
Colocasia V Turmeric V	Vegetative	A CST III C	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Colocasia V Turmeric V		A CST III O III SCISC	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in
Colocasia V Turmeric V	Vegetative	A CST III C	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the
Turmeric V Cauliflower N	Vegetative Nursery		At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.
Turmeric V Cauliflower N Cucurbits F	Vegetative Nursery Flowering to	Red Pumpkin	At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers. - Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Turmeric V Cauliflower N Cucurbits F	Vegetative Nursery		At present, earthing up may be done after rains at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.





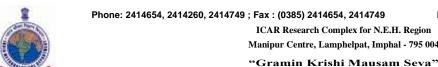
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups	susceptible		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
	Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.	
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
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	Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

SMS:



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



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 – 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 – 2.9 km/hr.

Weather forecast for Imphal East (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-24 °C. Relative humidity may reach upto 97 % (max) & 67 % (min). The average wind speed may be 4 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/
- Provisions may be made to harvest rain water in the fields for nursery/ sowing.

			fertilizer applications mentioned below during rainy days.
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main		- Maintain water level just to submerge the soil surface and expose the
	field preparation		green aerial sprouts. Drain out excess water if accumulated due to
			rains.
			- Land preparation for transplanting of rice seedlings may be started.
			Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time
			of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to		- Maintain water level at 5-8 cm. Drain out excess water if accumulated
	maturity		in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/	Early vegetative		- Weeding may be done after rains.
Blackgram/ Rice Bean			- Avoid leaf eating caterpillars.
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			
			drains may be made to drain out accumulated water in the field and the
			n bed system may also be adopted.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Vegetative		At present, earthing up may be done after rains at 1 or 1 ½ month old
			I plants (for normal sorving) and for late sorvin arous it may be done just
			plants (for normal sowing) and for late sown crops it may be done just
			after sprouting and second weeding after 1 or 1 ½ month.
			after sprouting and second weeding after 1 or 1 ½ month 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg
			after sprouting and second weeding after 1 or 1½ month 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam.
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Turmeric	Vegetative		after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Turmeric Cauliflower	Vegetative Nursery		after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the
Cauliflower	Nursery		after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.
	Nursery Flowering to	Red Pumpkin	after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers. - Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Cauliflower	Nursery	Red Pumpkin Beetle	after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.





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



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
		Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
Goat	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

SMS:



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





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 - 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 - 2.9 km/ hr.

Weather forecast for Imphal West (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-24 °C. Relative humidity may reach upto 99 % (max) & 80 % (min). The average wind speed may be 4 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/ litre water.
- 2. Provisions may be made to harvest rain water in the fields for nursery/ sowing.
- 3. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

			fertilizer applications mentioned below during rainy days.
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main		- Maintain water level just to submerge the soil surface and expose the
	field preparation		green aerial sprouts. Drain out excess water if accumulated due to
			rains.
			- Land preparation for transplanting of rice seedlings may be started.
			Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time
			of final leveling.
			- Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to		- Maintain water level at 5-8 cm. Drain out excess water if accumulated
	maturity		in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/	Early vegetative		- Weeding may be done after rains.
Blackgram/ Rice Bean			- Avoid leaf eating caterpillars.
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			
			drains may be made to drain out accumulated water in the field and the
			n bed system may also be adopted.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Vegetative		At present, earthing up may be done after rains at 1 or 1 ½ month old
			I plants (for normal sorving) and for late sorvin arous it may be done just
			plants (for normal sowing) and for late sown crops it may be done just
			after sprouting and second weeding after 1 or 1 ½ month.
			after sprouting and second weeding after 1 or 1 ½ month 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg
			after sprouting and second weeding after 1 or 1½ month 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam.
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Turmeric	Vegetative		after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Turmeric Cauliflower	Vegetative Nursery		after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in
			after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the
Cauliflower	Nursery		after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.
	Nursery Flowering to	Red Pumpkin	after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers. - Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Cauliflower	Nursery	Red Pumpkin Beetle	after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months. - Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.





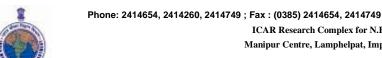
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
		Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
Goat	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

SMS:



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



MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (4th to 6th June, 19):

11.2 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 30.9 – 32.1 °C and minimum of 19.0-21.4 °C. Mean relative humidity of 81.33 % max & 58.0 % min was recorded in the past three days & average wind speed was 2.7 - 2.9 km/hr.

Weather forecast for Senapati (8th to 12th June, 2019):

- Weeding may be done after rains to avoid insect pest infestation.

- Retain healthy disease free fruits for seeds.

Likely to have light to moderate rains at isolated places upto Monday. The sky will remain mainly cloudy to overcast with max. temp. 27-28 °C & mini. temp. 20-21 °C. Relative humidity may reach upto 99 % (max) & 80 % (min). The average wind speed may be 4 km/hr.

Date of issue: 7th June, 2019

General Advisory:

French Bean/

Bhindi

Flowering and

fruiting to

- 1. For Fall Army Worm in maize, do not schedule chemical insecticide spray before rains as it will wash away. When there is no rain, spray Beauvevia bassiana @ 3ml/ litre water during evening hours and after 3 days spray Metarhizium anisopliae @ 5ml/
- Provisions may be made to harvest rain water in the fields for nursery/ sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery to main field preparation		 - Maintain water level just to submerge the soil surface and expose the green aerial sprouts. Drain out excess water if accumulated due to rains. - Land preparation for transplanting of rice seedlings may be started. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uprooting of 25-30days old rice seedlings may be transplanted.
Pre-kharif Rice	Grain filling to maturity		- Maintain water level at 5-8 cm. Drain out excess water if accumulated in the crop field due to rains.
Kharif maize	Early vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Early vegetative		- Weeding may be done after rains Avoid leaf eating caterpillars.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
* For cultivation of v	egetables in low lying sed to raise the beds le	area, ponds/channels vel. Raised and sunke	drains may be made to drain out accumulated water in the field and the en bed system may also be adopted.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Colocasia	Vegetative		At present, earthing up may be done after rains at 1 or 1½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1½ month. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice of thrice at 10 days interval after this wet spell.
Turmeric	Vegetative		- Weeding and interculture operation may be done after rains and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area or in rain protective structures/ low cost polyhouse is available with the farmers.
Cucurbits	Flowering to	Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
	fruiting and harvesting	Beetle	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.





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



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups		 Bleaching powder may be spread near farm premises. To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during evening.
		Management	- To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
	months of	FMD	- Vaccinate against FMD after the age of 3 months.
	age	Coccidial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	Mites infestation	- Spray with Skin Heal Spray in sufficient quantity.
	months of age	- Fascioliosis	- Give Tolzan-F 90ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
			 - Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed.
Goat	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Management	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Nurseries/	Water management	Maintain minimum depth of 1.5 m.
	grow-out		Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and mineral.
		Fish	Stock 20-30 lakhs spawns in one hectare water.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg for grass carp.
	Hatcheries	Water	Hatching can be done in traditional hapas having outer & inner hapas or circular hatcheries. A mild current with fine shower is needed for circular hatcheries. Feed should not be given for 3 days.

SMS: