

Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Ukhrul (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 28-30 °C & mini. temp. 23 °C. Relative humidity may reach upto 99 % (max) & 84 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 2nd July, 2019

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | | |
|-------------------------|--------------------|-----------------------------------------|------------------|-----------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice | Main field | | | - Transplanting of 25-30 days old rice seedlings may be done with |
| | preparation ar | nd | | rains in next five days. |
| | transplanting | | | - Seedling of Main season rice can be raised upto first week of July and |
| | | | | can be transplanted within 3 rd week of July (for late transplanting). |
| | Direct seeding | g with | | - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field |
| | drum seeder | | | properly and level it. Drain out water 24 hrs before sowing. Use just |
| | | | | pre-germinated seeds. |
| Kharif maize | Vegetative | | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ | Vegetative | | | - Avoid water logging if it rains heavy. |
| Blackgram/ Rice Bean | | | | |
| Seed storage | Post-harvest | | | - For seed purpose store the seeds in RC-Seed Bin after proper drying |
| | Management | | | and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. |
| | | | | Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up trees | | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax |
| | | | | per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres |
| | | | | of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. |
| | | | | Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and |
| | | | | Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | | | - After rains prepare the pit of size 3x3x3 feet in upland area. |
| | | | | Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit |
| | | | | before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing p | lant | | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g |
| | (4-5 yrs. old) | | | DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ |
| | | | | lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to | | | - Avoid fruits of cucurbits to touch soil. |
| | harvesting | | | - Avoid water logging if it rains heavy. |
| Animal Sciences | | | | |
| Name of bird/ animal | Stage | Diseas | se/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ | All | Endopar | asites | - De-worm using Piperazine citrate. |
| - | susceptible | Τ | | - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. |
| | age groups | Coccidio | osis | - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
| | | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | lit of water. |
| | | coli baci | llosis | Add sanitizer in drinking water and avoid muddy water for drinking |
| | | Jon out | | purpose. |
| | | | | I Parkette |



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"

| | | | | | ICAR |
|--------------|--------|---------------|------------------------|------|-----------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | nonths of | Endo/ Ecto parasite or | skin | - Inject Neomac @ 1 ml/ 10 kg body weight. |
| age | | ge | infection | | |
| | | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | | bove 3 | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3041 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Wanagement | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
| T:1 | | | | | disease caused by files/ filosquitoes/ ticks, etc. |
| Fishery: | ı | | | | |
| Carp culture | nursei | ries | | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | Grow | -out | Pond and water | Reg | gular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha |
| | | | | | 0 days interval. |
| | | | Fish | 800 | 0-10,000 fingerlings can be stocked per ha. |
| | | | | | apling of fish for growth, diseases (if any) should be done by regular |
| | | | | nett | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | Field | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
| | | | | | 1 |



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Bishnupur (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 25-26 °C. Relative humidity may reach upto 99 % (max) & 84 % (min). The average wind speed may be 2-4 km/hr.

Date of issue: 2nd July, 2019

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | | |
|----------------------------|-------------------------------------------------------------------------------|----------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice Kharif maize | Main field preparation a transplanting Direct seedin drum seeder Vegetative | | Test and disease | - Transplanting of 25-30 days old rice seedlings may be done with rains in next five days. - Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3 rd week of July (for late transplanting). - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds. - Avoid water logging if it rains heavy. |
| Sovbean/ Groundnut/ | | | | |
| Blackgram/ Rice Bean | | | | - Avoid water logging if it rains heavy. |
| Seed storage | Post-harvest Management | | | - For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up trees | | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | | | - After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing p (4-5 yrs. old) | | | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to harvesting | | | Avoid fruits of cucurbits to touch soil.Avoid water logging if it rains heavy. |
| Animal Sciences | nai vesting | | | Tivote water logging in terains neavy. |
| Name of bird/ animal | Stage | Dise | ase/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All susceptible age groups | Endoparasites Coccidiosis | | - De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
| | | coli bacillosis | | lit of water. Add sanitizer in drinking water and avoid muddy water for drinking purpose. |



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|--------------|--------|---------------|------------------------|------|-----------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | nonths of | Endo/ Ecto parasite or | skin | - Inject Neomac @ 1 ml/ 10 kg body weight. |
| age | | ge | infection | | |
| | | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | | bove 3 | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3000 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Wanagement | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
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| Fishery: | ı | | | | |
| Carp culture | nursei | ries | | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | Grow | -out | Pond and water | Reg | gular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha |
| | | | | | 0 days interval. |
| | | | Fish | 800 | 0-10,000 fingerlings can be stocked per ha. |
| | | | | | apling of fish for growth, diseases (if any) should be done by regular |
| | | | | nett | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | Field | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
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"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Chandel (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 25-26 °C. Relative humidity may reach upto 98 % (max) & 83 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 2nd July, 2019

General Advisory:

1. Harvest rain water wherever possible to cope up water shortage problems after rains.

- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | | |
|---------------------------------------------|---------------------------------------------------------------------------|----------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice Kharif maize | Main field preparation and transplanting Direct seeding with drum seeder | | Test and disease | Transplanting of 25-30 days old rice seedlings may be done with rains in next five days. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds. |
| | Vegetative | | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ Blackgram/ Rice Bean | Vegetative | | | - Avoid water logging if it rains heavy. |
| Seed storage | Post-harvest | Post-harvest Management | | - For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | Vegetative | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up | For grown up trees | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Pre-bearing I (4-5 yrs. old) | | | After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling. After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ |
| | | | | lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to harvesting | | | Avoid fruits of cucurbits to touch soil.Avoid water logging if it rains heavy. |
| Animal Sciences | , | | | |
| Name of bird/ animal | Stage | Disea | ase/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All susceptible age groups | Endopa Coccidi | | - De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
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|--------------|--------|---------------|------------------------|------|-----------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | nonths of | Endo/ Ecto parasite or | skin | - Inject Neomac @ 1 ml/ 10 kg body weight. |
| age | | ge | infection | | |
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| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - Provide wholesome water. Protection from high temp may be ensured. |
| | | | · · | | - Electrolytes in the form of powder/ liquid may be given. Increase salt |
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| Fishery: | ı | | | | |
| Carp culture | nursei | ries | | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | Grow | -out | Pond and water | Reg | gular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha |
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"Gramin Krishi Mausam Seva"



Date of issue: 2nd July, 2019



MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (28th June to 1st July, 19):

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Weather forecast for Churachandpur (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 25-26 °C. Relative humidity may reach upto 99 % (max) & 83 % (min). The average wind speed may be 2-3 km/hr.

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
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| Field Crops | | | | |
|---------------------------------------------|-------------------------------------------------------------------|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice | Main field preparation a transplanting Direct seedin drum seeder | | Test and discuse | Transplanting of 25-30 days old rice seedlings may be done with rains in next five days. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds. |
| Kharif maize | Vegetative | | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ Blackgram/ Rice Bean | Vegetative | | | - Avoid water logging if it rains heavy. |
| Seed storage | Post-harvest Management | | | - For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up trees | | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting Pre-bearing plant | | | After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling. After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g |
| | (4-5 yrs. old) | | | DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to harvesting | | | Avoid fruits of cucurbits to touch soil.Avoid water logging if it rains heavy. |
| Animal Sciences | | | | |
| Name of bird/ animal | Stage Disc | | ase/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All susceptible | Endoparasites | | - De-worm using Piperazine citrate Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. |
| | age groups | Coccid | | - As a preventive measure against Coccidiosis, provide Supercox @ 1g/lit of water. |
| | | coli bad | cillosis | Add sanitizer in drinking water and avoid muddy water for drinking purpose. |



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"

| | | | | | ICAR |
|--------------|--------|---------------|------------------------|------|-----------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | nonths of | Endo/ Ecto parasite or | skin | - Inject Neomac @ 1 ml/ 10 kg body weight. |
| age | | ge | infection | | |
| | | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | | bove 3 | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3041 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Wanagement | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
| T:1 | | | | | disease caused by files/ filosquitoes/ ticks, etc. |
| Fishery: | ı | | | | |
| Carp culture | nursei | ries | | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | Grow | -out | Pond and water | Reg | gular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha |
| | | | | | 0 days interval. |
| | | | Fish | 800 | 0-10,000 fingerlings can be stocked per ha. |
| | | | | | apling of fish for growth, diseases (if any) should be done by regular |
| | | | | nett | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | Field | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
| | | | | | 1 |



"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Imphal East (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 25-26 °C. Relative humidity may reach upto 97 % (max) & 72 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 2nd July, 2019

General Advisory:

1. Harvest rain water wherever possible to cope up water shortage problems after rains.

- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | | |
|---------------------------------------------|-------------------------------------------------------------------|----------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice | Main field preparation a transplanting Direct seedin drum seeder | | r est anu disease | Transplanting of 25-30 days old rice seedlings may be done with rains in next five days. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds. |
| Kharif maize | Vegetative | | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ Blackgram/ Rice Bean | | | | - Avoid water logging if it rains heavy. |
| Seed storage | Post-harvest Management | | | - For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up trees | | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | lant. | | - After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing p (4-5 yrs. old) | | | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to harvesting | | | Avoid fruits of cucurbits to touch soil.Avoid water logging if it rains heavy. |
| Animal Sciences | The Court of | | | 1 |
| Name of bird/ animal | Stage | Disea | ase/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All susceptible age groups | Endoparasites Coccidiosis | | De-worm using Piperazine citrate. Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water. |
| | coli | | illosis | Add sanitizer in drinking water and avoid muddy water for drinking purpose. |



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"

| | | | | | ICAR |
|--------------|--------|---------------|------------------------|------|-----------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | nonths of | Endo/ Ecto parasite or | skin | - Inject Neomac @ 1 ml/ 10 kg body weight. |
| age | | ge | infection | | |
| | | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | | bove 3 | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3041 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Wanagement | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
| T:1 | | | | | disease caused by files/ filosquitoes/ ticks, etc. |
| Fishery: | ı | | | | |
| Carp culture | nursei | ries | | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | Grow | -out | Pond and water | Reg | gular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha |
| | | | | | 0 days interval. |
| | | | Fish | 800 | 0-10,000 fingerlings can be stocked per ha. |
| | | | | | apling of fish for growth, diseases (if any) should be done by regular |
| | | | | nett | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | Field | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
| | | | | | 1 |



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 (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Imphal West (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 25-26 °C. Relative humidity may reach upto 98 % (max) & 61 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 2nd July, 2019

General Advisory:

1. Harvest rain water wherever possible to cope up water shortage problems after rains.

- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | | |
|----------------------------|-------------------------------------------------------------------------------|----------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice Kharif maize | Main field preparation a transplanting Direct seedin drum seeder Vegetative | | Test and disease | - Transplanting of 25-30 days old rice seedlings may be done with rains in next five days. - Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3 rd week of July (for late transplanting). - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds. - Avoid water logging if it rains heavy. |
| Sovbean/ Groundnut/ | | | | |
| Blackgram/ Rice Bean | | | | - Avoid water logging if it rains heavy. |
| Seed storage | Post-harvest Management | | | - For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up trees | | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | | | - After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing p (4-5 yrs. old) | | | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to harvesting | | | Avoid fruits of cucurbits to touch soil.Avoid water logging if it rains heavy. |
| Animal Sciences | nai vesting | | | Tivote water logging in terains neavy. |
| Name of bird/ animal | Stage | Dise | ase/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All susceptible age groups | Endoparasites Coccidiosis | | - De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
| | | coli bacillosis | | lit of water. Add sanitizer in drinking water and avoid muddy water for drinking purpose. |



E-mail: agromet_mnp@yahoo.co.uk

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"Gramin Krishi Mausam Seva"

| | | | | | ICAR |
|--------------|--------|---------------|------------------------|------|-----------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | nonths of | Endo/ Ecto parasite or | skin | - Inject Neomac @ 1 ml/ 10 kg body weight. |
| age | | ge | infection | | |
| | | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | | bove 3 | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3041 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Wanagement | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
| T:1 | | | | | disease caused by files/ filosquitoes/ ticks, etc. |
| Fishery: | ı | | | | |
| Carp culture | nursei | ries | | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | Grow | -out | Pond and water | Reg | gular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha |
| | | | | | 0 days interval. |
| | | | Fish | 800 | 0-10,000 fingerlings can be stocked per ha. |
| | | | | | apling of fish for growth, diseases (if any) should be done by regular |
| | | | | nett | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | Field | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
| | | | | | 1 |



"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Senapati (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 28-30 °C & mini. temp. 23 °C. Relative humidity may reach upto 99 % (max) & 83 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 2nd July, 2019

General Advisory:

1. Harvest rain water wherever possible to cope up water shortage problems after rains.

- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | | |
|-------------------------|----------------------------------|-----------------------------------------|------------------|-----------------------------------------------------------------------------------|
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Kharif Rice | Main field | | | - Transplanting of 25-30 days old rice seedlings may be done with |
| | preparation ar | nd | | rains in next five days. |
| | transplanting | | | - Seedling of Main season rice can be raised upto first week of July and |
| | | | | can be transplanted within 3 rd week of July (for late transplanting). |
| | Direct seeding | g with | | - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field |
| | drum seeder | | | properly and level it. Drain out water 24 hrs before sowing. Use just |
| | | | | pre-germinated seeds. |
| Kharif maize | Vegetative | | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ | Vegetative | | | - Avoid water logging if it rains heavy. |
| Blackgram/ Rice Bean | | | | |
| Seed storage | Post-harvest | | | - For seed purpose store the seeds in RC-Seed Bin after proper drying |
| | Management | | | and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. |
| | | | | Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | | |
| Name of the crop | Stage | | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | | - Avoid water logging if it rains heavy. |
| | | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up trees | | | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax |
| | | | | per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres |
| | | | | of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. |
| | | | | Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and |
| | | | | Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | | | - After rains prepare the pit of size 3x3x3 feet in upland area. |
| | | | | Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit |
| | | | | before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing plant (4-5 yrs. old) | | | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g |
| | | | | DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ |
| | | | | lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to | | | - Avoid fruits of cucurbits to touch soil. |
| | harvesting | | | - Avoid water logging if it rains heavy. |
| Animal Sciences | | | | |
| Name of bird/ animal | Stage | Diseas | se/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ All | | Endoparasites | | - De-worm using Piperazine citrate. |
| - | susceptible | | | - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. |
| | age groups | Coccidiosis | | - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
| | | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | lit of water. |
| | | coli bacillosis | | Add sanitizer in drinking water and avoid muddy water for drinking |
| | 13200 | | | purpose. |
| | | | | I Parkette |



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"

| | | | | | ICAR |
|---------------|----------------|-----------------------------|---------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| months of age | | Endo/ Ecto parasite or skin | | - Inject Neomac @ 1 ml/ 10 kg body weight. | |
| | | infection | | | |
| | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide | |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | Cattle Above 3 | | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3041 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Management | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
| F:1 | | | | | disease caused by files/ filosquitoes/ ticks, etc. |
| Fishery: | ı | | | | |
| Carp culture | nursei | ries | Pond and water | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| Grow -out | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | | -out | Pond and water | Regular manuring may be done with a slurry of Raw Cow Dung @1500k | |
| | | | | | 0 days interval. |
| | | | Fish | 8000-10,000 fingerlings can be stocked per ha. | |
| | | | | apling of fish for growth, diseases (if any) should be done by regular | |
| | | | netti | | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- | |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
| | | | | | 1 |



"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Tamenglong (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 28-30 °C & mini. temp. 23 °C. Relative humidity may reach upto 99 % (max) & 79 % (min). The average wind speed may be 3 km/hr.

Date of issue: 2nd July, 2019

General Advisory:

1. Harvest rain water wherever possible to cope up water shortage problems after rains.

- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | |
|--------------------------------------|-----------------|---------------------|-----------------------------------------------------------------------------------|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Kharif Rice | Main field | | - Transplanting of 25-30 days old rice seedlings may be done with |
| | preparation and | d | rains in next five days. |
| | transplanting | | - Seedling of Main season rice can be raised upto first week of July and |
| | | | can be transplanted within 3 rd week of July (for late transplanting). |
| | Direct seeding | with | - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field |
| | drum seeder | | properly and level it. Drain out water 24 hrs before sowing. Use just |
| | | | pre-germinated seeds. |
| Kharif maize | Vegetative | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ | Vegetative | | - Avoid water logging if it rains heavy. |
| Blackgram/ Rice Bean | Vegetative | | Tivola water logging if it rains nearly. |
| Seed storage | Post-harvest | | - For seed purpose store the seeds in RC-Seed Bin after proper drying |
| | Management | | and cleaning of seeds along with dry charcoal at 80:20 w/w ratios |
| | | | Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | |
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | - Avoid water logging if it rains heavy. |
| | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | · | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up t | trees | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax |
| | | | per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres |
| | | | of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax |
| | | | Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and |
| | | | Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | | - After rains prepare the pit of size 3x3x3 feet in upland area |
| Tree beam | 1 mining | | Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pi |
| | | | before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing pla | ant | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g |
| | (4-5 yrs. old) | ant | DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml |
| | (4-3 yrs. old) | | lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | E. W | | - Avoid fruits of cucurbits to touch soil. |
| Cucurbits | Fruiting to | | |
| 4 * 10 * | harvesting | | - Avoid water logging if it rains heavy. |
| Animal Sciences Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| | | | |
| Poultry (Chicken/ Duck) | | Endoparasites | - De-worm using Piperazine citrate. |
| Duck) | susceptible | 0 '1' ' | - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. |
| | age groups | Coccidiosis | - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
| | | | lit of water. |
| coli bacillosis | | coli bacillosis | Add sanitizer in drinking water and avoid muddy water for drinking |
| | | | purpose. |



E-mail: agromet_mnp@yahoo.co.uk

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

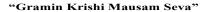


"Gramin Krishi Mausam Seva"

| | | | | | ICAR |
|---------------|----------------|-----------------------------|---------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Pig | A | bove 3 | Coccidial infection | | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. |
| months of age | | Endo/ Ecto parasite or skin | | - Inject Neomac @ 1 ml/ 10 kg body weight. | |
| | | infection | | | |
| | | Management | | - Treat drinking water with potassium permanganate/ sanitizer. Provide | |
| | | | | | ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. |
| Cattle | Cattle Above 3 | | Faciolasis | | - De-worming with suitable Anthelmatics against Faciolasis. |
| | m | nonths of | Endoparasite/ | | - Inject Parid @ 1 ml/ 50 kg body weight. |
| | aş | ge | Ectoparasite | | |
| | | | Management | | - 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. |
| | | | | | - Protect animals from PICA (depraved appetite) by providing essential |
| | | | | | body salts (mineral forte powder) 25g/day. |
| Goat | A | Il age groups | Fascioliosis | | - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with |
| 3041 | | xcept three | 1 abelonosis | | vitamins like Livozyme @ 50ml twice daily. |
| | | nonths or | Endoparasite/ | | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight |
| | be | elow | Ectoparasite Ectoparasite | | accompanied with Livozyme @ 50ml daily. |
| | | | Management | | - Fly repellent must be used. Disinfection of farm and premises are to be |
| | | | Management | | carried out strictly. Due care need to be taken to prevent spread of |
| | | | | | disease caused by flies/ mosquitoes/ ticks, etc. |
| F:1 | | | | | disease caused by files/ filosquitoes/ ticks, etc. |
| Fishery: | ı | | | | |
| Carp culture | nursei | ries | Pond and water | | aintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime |
| | | | | | 00kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + |
| | | | | | g SSP in nursery pond water 15 days before spawn stocking. |
| | | | Feed | We | Il balanced feeds should be provided 2-3 times a day @ 5-10% body |
| Grow -out | | | | wei | ght/day. |
| | | | Fish | | 30 million spawn can be stocked in one ha pond. |
| | | -out | Pond and water | Regular manuring may be done with a slurry of Raw Cow Dung @1500k | |
| | | | | | 0 days interval. |
| | | | Fish | 8000-10,000 fingerlings can be stocked per ha. | |
| | | | | apling of fish for growth, diseases (if any) should be done by regular | |
| | | | netti | | |
| | | | Feed | | Il balanced feed should be provided @ 3-5% body weight per day in 2-3 |
| | | | | spli | |
| Paddy cum | | | | nches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- | |
| fish culture | | | | | of the field may be converted into trench/pond for fish culture. |
| | | | | | 1 |



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (28th June to 1st July, 19):

10.3 mm rainfall was observed during the past four days. The skies remained mainly cloudy to overcast but partly cloudy during morning hours of 30^{th} June morning and afternoon hours of 1^{st} July. Maximum temperature ranged from 29.2-33.1 °C and minimum of 21.5-23.0 °C. Mean relative humidity of 88.3 % max & 64.3 % min was recorded in the past four days & average wind speed was 2.9-4.2 km/hr.

Weather forecast for Thoubal (3rd to 7th July, 2019):

Likely to have light rains upto Thursday and widespread moderate to heavy rains from Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 $^{\circ}$ C & mini. temp. 25-26 $^{\circ}$ C. Relative humidity may reach upto 99 % (max) & 88 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 2nd July, 2019

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals.
- 3. Provide clean drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 4. Avoid draining of muddy water in culture ponds, also liming may be done @300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

| Field Crops | | | |
|-------------------------|-----------------|---------------------|-----------------------------------------------------------------------------------|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Kharif Rice | Main field | | - Transplanting of 25-30 days old rice seedlings may be done with |
| | preparation and | d | rains in next five days. |
| | transplanting | | - Seedling of Main season rice can be raised upto first week of July and |
| | | | can be transplanted within 3 rd week of July (for late transplanting). |
| | Direct seeding | with | - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field |
| | drum seeder | | properly and level it. Drain out water 24 hrs before sowing. Use just |
| | | | pre-germinated seeds. |
| Kharif maize | Vegetative | | - Avoid water logging if it rains heavy. |
| Soybean/ Groundnut/ | Vegetative | | - Avoid water logging if it rains heavy. |
| Blackgram/ Rice Bean | Ü | | |
| Seed storage | Post-harvest | | - For seed purpose store the seeds in RC-Seed Bin after proper drying |
| | Management | | and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. |
| | | | Check for moisture content or weight of charcoal and dry if required. |
| Horticulture Crops | | | |
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Passion fruit | Fruiting | | - Avoid water logging if it rains heavy. |
| | | Fruit Fly | - Spray Malathion @ 5 ml/lit of water to control fruit fly after rains. |
| Ginger/ Turmeric | Vegetative | | - Avoid water logging if it rains heavy. |
| Khasi Mandarin | For grown up t | rees | After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax |
| | | | per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres |
| | | | of water and Imidachloprid @ 5 ml/10 lit water. |
| Kachai Lemon | | | After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. |
| | | | Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and |
| | | | Imidachloprid @ 5 ml/10 lit water. |
| Tree bean | Planting | | - After rains prepare the pit of size 3x3x3 feet in upland area. |
| | | | Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit |
| | | | before planting 1 ½ to 2 yrs old healthy seedling. |
| | Pre-bearing pla | ant | - After rains, for pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g |
| | (4-5 yrs. old) | | DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ |
| | | | lit of water + Carbendazim @ 1g/ lit of water. |
| Cucurbits | Fruiting to | | - Avoid fruits of cucurbits to touch soil. |
| | harvesting | | - Avoid water logging if it rains heavy. |
| Animal Sciences | | | 1 00 0 |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ | All I | Endoparasites | - De-worm using Piperazine citrate. |
| - | susceptible | 1 | - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. |
| | | Coccidiosis | - As a preventive measure against Coccidiosis, provide Supercox @ 1g/ |
| | | | lit of water. |
| | | coli bacillosis | Add sanitizer in drinking water and avoid muddy water for drinking |
| | | | purpose. |
| | | | I perpose. |



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"

| Pig | Above 3 | Coccidial infection | - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. | |
|--------------|-----------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--|
| | months of age | Endo/ Ecto parasite or sk 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 | Faciolasis | - De-worming with suitable Anthelmatics against Faciolasis. | |
| | months of | Endoparasite/ | - Inject Parid @ 1 ml/ 50 kg body weight. | |
| | age | Ectoparasite | | |
| | | Management | - 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. | |
| | | | - Protect animals from PICA (depraved appetite) by providing essential | |
| | | | body salts (mineral forte powder) 25g/day. | |
| Goat | All age groups except three | Fascioliosis | - Give Tolzan-F 15ml orally/300kg b. wt. It must be associated with | |
| | months or | T 1 / | vitamins like Livozyme @ 50ml twice daily. | |
| | below | Endoparasite/ | Deworm using Minthal bolus @ ½ bolus per 20 kg body weight | |
| | | Ectoparasite | accompanied with Livozyme @ 50ml daily. | |
| | | Management | - Fly repellent must be used. Disinfection of farm and premises are to be | |
| | | | carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc. | |
| Fishery: | | | disease caused by files/ filosquitoes/ tieks, etc. | |
| | • | D 1 1 . | M' ' ' ' 1 1 1 1 1 1 1 1 | |
| Carp culture | nurseries | Pond and water | - Maintain water depth at 1.0-1.5m for stocking fish spawns. Apply lime | |
| | | | @300kg/ha. Apply a mixture of raw cow dung @ 5000kg/ha +75 kg urea + | |
| | | Feed | 75kg SSP in nursery pond water 15 days before spawn stocking. Well balanced feeds should be provided 2-3 times a day @ 5-10% body | |
| | | reeu | weil balanced feeds should be provided 2-3 times a day & 3-10% body weight/day. | |
| | | Fish | 20-30 million spawn can be stocked in one ha pond. | |
| | Grow -out | Pond and water | Regular manuring may be done with a slurry of Raw Cow Dung @1500kg/ha | |
| | Glow out | 1 ond and water | at 30 days interval. | |
| | | Fish | 3000-10,000 fingerlings can be stocked per ha. | |
| | | | Sampling of fish for growth, diseases (if any) should be done by regular | |
| | | | netting. | |
| | | Feed | Well balanced feed should be provided @ 3-5% body weight per day in 2-3 | |
| | | | splits. | |
| Paddy cum | | | Trenches/channels in rice field with a depth of 1.0 - 1.5m should be made. 30- | |
| fish culture | | | 40% of the field may be converted into trench/pond for fish culture. | |