

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Churachandpur

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|---|---|
| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr. | Weather forecast for Churachandpur (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 24-26 °C & mini. temp. 9-11 °C. Relative humidity may reach upto 98 % (max) and 55 % (min). The average wind speed may be 3-5 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds 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. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Imphal East

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| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr. | Weather forecast for Imphal East (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 23-25 °C & mini. temp. 7-11 °C. Relative humidity may reach upto 94 % (max) and 61 % (min). The average wind speed may be 4-7 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds storage | Post-harvest Management | | - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Imphal West

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| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4–2.8 km/hr. | Weather forecast for Imphal West (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 22-25 °C & mini. temp. 9-11 °C. Relative humidity may reach upto 98 % (max) and 68 % (min). The average wind speed may be 4-6 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds storage | Post-harvest Management | | - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |



MANIPUR AGROMET ADVISORY BULLETIN

Date of issue: 29th January, 2019

District: *Senapati*

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| <p>Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25th & 26th Jan and cloudy on 28th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr.</p> | <p>Weather forecast for Senapati (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 23-25 °C & mini. temp. 7-10 °C. Relative humidity may reach upto 98 % (max) and 74 % (min). The average wind speed may be 3-5 km/hr.</p> |
| <p>General Advisories: * Sprinklers may be used for economic utilization of water in crop fields.</p> | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds 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. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------------|-------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |

Animal Sciences
* *Arrange for external heat source during night and early morning hours.*

| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
|-------------------------|---------------------------------------|--|--|
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Tamenglong

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| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr. | Weather forecast for Tamenglong (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 23-26 °C & mini. temp. 8-12 °C. Relative humidity may reach upto 98 % (max) and 77 % (min). The average wind speed may be 3-5 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds storage | Post-harvest Management | | - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Thoubal

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| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr. | Weather forecast for Thoubal (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 23-25 °C & mini. temp. 8-11 °C. Relative humidity may reach upto 97 % (max) and 45 % (min). The average wind speed may be 4-5 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds storage | Post-harvest Management | | - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Ukhrul

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| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/hr. | Weather forecast for Ukhrul (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 22-23 °C & mini. temp. 7-9 °C. Relative humidity may reach upto 98 % (max) and 58 % (min). The average wind speed may be 3-5 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds 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. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------------|-------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |

| Animal Sciences | | | |
|---|---------------------------------------|--|--|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Bishnupur

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| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr. | Weather forecast for Bishnupur (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 23-25 °C & mini. temp. 8-10 °C. Relative humidity may reach upto 98 % (max) and 62 % (min). The average wind speed may be 3-6 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds storage | Post-harvest Management | | - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th January, 2019

District: Chandel

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|---|---|
| Significant past weather for the preceding bi-weekly of Imphal West (25th to 28th Jan, 19) No rainfall was observed during the past four days. The skies remained clear but shallow fog during morning hours on 25 th & 26 th Jan and cloudy on 28 th Jan. Maximum temperature ranged from 24.0–26.4 °C and minimum of 5.0–8.0 °C. Mean relative humidity of 91 % max and 35 % min was recorded in the past four days & average wind speed was 1.4 – 2.8 km/ hr. | Weather forecast for Chandel (30th January to 3rd February, 2019) Likely to have no rains during next five days and mainly clear sky with max. temp. 23-24 °C & mini. temp. 7-10 °C. Relative humidity may reach upto 95 % (max) and 45 % (min). The average wind speed may be 4-5 km/hr. |
| General Advisories: * Sprinklers may be used for economic utilization of water in crop fields. | |

| Field Crops | | | |
|--------------------------------------|------------------------------------|-------------------------------|--|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Rapeseed/ Mustard/ Field pea/ Lentil | Flowering to fruiting | Hairy caterpillar | - Spray Chloropyriphos @ 2ml/litre of water to the infected patches only. |
| | | Pod borer | - Spray Imidachloprid @ 0.25 ml/ litre of water to the infected patches. |
| | | Powdery mildew and white rust | - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> . |
| | | Downey Mildew | Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval. |
| Potato | Tuber initiation | Cut worm | If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. |
| | | Aphid | - If aphid is observed in small patches, wash off it with plain water but if it is severe, spray Cypermethrin 20 EC @ 1ml/ litre of water. |
| Pre-kharif rice | Seed collection to nursery raising | | - Prepare 700 m ² area for raising pre-kharif rice nursery for transplanting in 1 ha land. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. - Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Procure quality and healthy seeds for nursery raising pre-kharif rice. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. |
| Seeds storage | Post-harvest Management | | - For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Avoid fungal growth and pest rodent in store. |

| Horticulture Crops | | | |
|---------------------|--------------------------------------|----------------------|---|
| Name of the crop | Stage | Pest and disease | Agro-meteorological advisories |
| Mango | Flowering | | - To protect from Mango fruit fly, Methyl Euginol trap 0.1% may be used @ 10 traps per hectare. Paint the trunk of tree with Bordeaux paste (1:1:100) upto a height of 4-5 feet above the ground as prophylactic measure against diseases. |
| Tree-Bean | Pre-bearing and bearing trees | bark borer/ termites | - 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites. |
| Onion | Vegetative | | - 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility. |
| Cucurbits | Nursery | | - Select polybags (size: 8cm X 10cm) for nursery rising under low cost polyhouse. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. |
| French Bean/ Bhindi | Seed collection and land preparation | | - Disease free quality seeds may be collected from reliable source and land preparation for planting it may also be started. |

| Animal Sciences | | | |
|--|---------------------------------------|--|---|
| * Arrange for external heat source during night and early morning hours. | | | |
| Name of bird/ animal | Stage | Disease/ Management | Agro-meteorological advisories |
| Poultry (Chicken/ Duck) | All age groups | Care and Management | Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval. |
| | | Gumboro | - Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old. |
| Sheep/ Goat | All age groups | Contagious Caprine Pluero-pneumonia (CCPP) | - Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally. |
| Pig | All age groups except the young ones | Deworming | Albendazole Plus Avermectin Table 6 mg/adult. |
| | | Coccidial infection | Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days. |
| | | Skin diseases | Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution. |
| Cattle | All age groups excepts the young ones | Tick | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. |
| | | Deworming | Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude. |