

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Bishnupur

|  |   |
|--|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/hr. | <b>Weather forecast for next five days of Bishnupur (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 26-28 °C & minimum temp. 13-15 °C. Relative humidity may reach upto 94 % (max) and 47 % (min). The average wind speed may be 3-6 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.  |   |

| Field Crops             |   |                     |  |
|-------------------------|---|---------------------|--|
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Rapeseed/ mustard       | Sowing to early vegetative  |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea               | Sowing to early vegetative  |                     | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil                  | Sowing  |                     | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |
| Horticulture Crops      |   |                     |  |
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Garden pea              | Vegetative  |                     | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.  |
| Cole Crops              | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.  |
| Onion                   | Nursery raising to land preparation for transplanting                                   |                     | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.                        |
| Garlic                  | Planting  |                     | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.   |
| Animal Sciences         |   |                     |  |
| Name of bird/ animal    | Stage   | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups  | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |   | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |   | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.   |
| Sheep/ Goat             | All age groups  | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |   | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |   | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones   | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |   | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |   | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.  |
|                         |   | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |
| Fisheries               |   |                     |  |
| Carp culture            |   |                     | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.  |

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Chandel

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|--|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/hr. | <b>Weather forecast for next five days of Chandel (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 13-14 °C. Relative humidity may reach upto 92 % (max) and 47 % (min). The average wind speed may be 4-5 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.  |   |

| Field Crops       |                            |                  |  |
|-------------------|----------------------------|------------------|--|
| Name of the crop  | Stage                      | Pest and disease | Agro-meteorological advisories   |
| Rapeseed/ mustard | Sowing to early vegetative |                  | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea         | Sowing to early vegetative |                  | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil            | Sowing                     |                  | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |

| Horticulture Crops |   |                  |   |
|--------------------|---|------------------|---|
| Name of the crop   | Stage   | Pest and disease | Agro-meteorological advisories  |
| Garden pea         | Vegetative  |                  | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.   |
| Cole Crops         | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                  | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.                               |
| Onion              | Nursery raising to land preparation for transplanting                                   |                  | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm. |
| Garlic             | Planting  |                  | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.  |

| Animal Sciences         |                                       |                     |  |
|-------------------------|---------------------------------------|---------------------|--|
| Name of bird/ animal    | Stage                                 | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups                        | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |                                       | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |                                       | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval. |
| Sheep/ Goat             | All age groups                        | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |                                       | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |                                       | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |                                       | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |                                       | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.            |
|                         |                                       | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |

| Fisheries    |   |
|--------------|---|
| Carp culture | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder. |

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Churachandpur

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|---|--|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/ hr. | <b>Weather forecast for next five days of Churachandpur (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 28 °C & minimum temp. 13-14 °C. Relative humidity may reach upto 95 % (max) and 39 % (min). The average wind speed may be 3-5 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.   |  |

| Field Crops             |   |                     |  |
|-------------------------|---|---------------------|--|
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Rapeseed/ mustard       | Sowing to early vegetative  |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea               | Sowing to early vegetative  |                     | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil                  | Sowing  |                     | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |
| Horticulture Crops      |   |                     |  |
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Garden pea              | Vegetative  |                     | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.  |
| Cole Crops              | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.  |
| Onion                   | Nursery raising to land preparation for transplanting                                   |                     | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.                        |
| Garlic                  | Planting  |                     | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.   |
| Animal Sciences         |   |                     |  |
| Name of bird/ animal    | Stage   | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups  | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |   | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |   | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.   |
| Sheep/ Goat             | All age groups  | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |   | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |   | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones   | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |   | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |   | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.  |
|                         |   | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |
| Fisheries               |   |                     |  |
| Carp culture            |   |                     | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.  |

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Imphal East

|  |   |
|--|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/hr. | <b>Weather forecast for next five days of Imphal East (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 27-28 °C & minimum temp. 13-14 °C. Relative humidity may reach upto 88 % (max) and 41 % (min). The average wind speed may be 6 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.  |   |

| Field Crops             |   |                     |  |
|-------------------------|---|---------------------|--|
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Rapeseed/ mustard       | Sowing to early vegetative  |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea               | Sowing to early vegetative  |                     | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil                  | Sowing  |                     | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |
| Horticulture Crops      |   |                     |  |
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Garden pea              | Vegetative  |                     | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.  |
| Cole Crops              | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.  |
| Onion                   | Nursery raising to land preparation for transplanting                                   |                     | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.                        |
| Garlic                  | Planting  |                     | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.   |
| Animal Sciences         |   |                     |  |
| Name of bird/ animal    | Stage   | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups  | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |   | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |   | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.   |
| Sheep/ Goat             | All age groups  | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |   | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |   | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones   | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |   | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |   | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.  |
|                         |   | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |
| Fisheries               |   |                     |  |
| Carp culture            |   |                     | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.  |

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Imphal West

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|--|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/hr. | <b>Weather forecast for next five days of Imphal West (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 27-29 °C & minimum temp. 13-15 °C. Relative humidity may reach upto 98 % (max) and 42 % (min). The average wind speed may be 4-5 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.  |   |

| Field Crops             |   |                     |  |
|-------------------------|---|---------------------|--|
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Rapeseed/ mustard       | Sowing to early vegetative  |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea               | Sowing to early vegetative  |                     | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil                  | Sowing  |                     | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |
| Horticulture Crops      |   |                     |  |
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Garden pea              | Vegetative  |                     | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.  |
| Cole Crops              | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.  |
| Onion                   | Nursery raising to land preparation for transplanting                                   |                     | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.                        |
| Garlic                  | Planting  |                     | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.   |
| Animal Sciences         |   |                     |  |
| Name of bird/ animal    | Stage   | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups  | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |   | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |   | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.   |
| Sheep/ Goat             | All age groups  | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |   | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |   | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones   | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |   | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |   | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.  |
|                         |   | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |
| Fisheries               |   |                     |  |
| Carp culture            |   |                     | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.  |

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018District: *Senapati*

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|---|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/ hr. | <b>Weather forecast for next five days of Senapati (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 28 °C & minimum temp. 13-15 °C. Relative humidity may reach upto 92 % (max) and 41 % (min). The average wind speed may be 4-5 km/hr. |
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| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required. |
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| Field Crops       |                            |                  |  |
|-------------------|----------------------------|------------------|--|
| Name of the crop  | Stage                      | Pest and disease | Agro-meteorological advisories   |
| Rapeseed/ mustard | Sowing to early vegetative |                  | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea         | Sowing to early vegetative |                  | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.  |
| Lentil            | Sowing                     |                  | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |

| Horticulture Crops |   |                  |   |
|--------------------|---|------------------|---|
| Name of the crop   | Stage   | Pest and disease | Agro-meteorological advisories  |
| Garden pea         | Vegetative  |                  | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.   |
| Cole Crops         | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                  | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.                               |
| Onion              | Nursery raising to land preparation for transplanting                                   |                  | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm. |
| Garlic             | Planting  |                  | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.  |

| Animal Sciences         |                                       |                     |  |
|-------------------------|---------------------------------------|---------------------|--|
| Name of bird/ animal    | Stage                                 | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups                        | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |                                       | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |                                       | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval. |
| Sheep/ Goat             | All age groups                        | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |                                       | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |                                       | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |                                       | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |                                       | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.            |
|                         |                                       | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |

| Fisheries    |   |
|--------------|---|
| Carp culture | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder. |

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Tamenglong

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|---|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/ hr. | <b>Weather forecast for next five days of Tamenglong (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 28 °C & minimum temp. 13-15 °C. Relative humidity may reach upto 90 % (max) and 40 % (min). The average wind speed may be 4-5 km/hr. |
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| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required. |
|---|

| Field Crops       |                            |                  |  |
|-------------------|----------------------------|------------------|--|
| Name of the crop  | Stage                      | Pest and disease | Agro-meteorological advisories   |
| Rapeseed/ mustard | Sowing to early vegetative |                  | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea         | Sowing to early vegetative |                  | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil            | Sowing                     |                  | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |

| Horticulture Crops |   |                  |   |
|--------------------|---|------------------|---|
| Name of the crop   | Stage   | Pest and disease | Agro-meteorological advisories  |
| Garden pea         | Vegetative  |                  | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.   |
| Cole Crops         | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                  | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.                               |
| Onion              | Nursery raising to land preparation for transplanting                                   |                  | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm. |
| Garlic             | Planting  |                  | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.  |

| Animal Sciences         |                                       |                     |  |
|-------------------------|---------------------------------------|---------------------|--|
| Name of bird/ animal    | Stage                                 | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups                        | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |                                       | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |                                       | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval. |
| Sheep/ Goat             | All age groups                        | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |                                       | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |                                       | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |                                       | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |                                       | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.            |
|                         |                                       | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |

| Fisheries    |   |
|--------------|---|
| Carp culture | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder. |

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018**District: Thoubal**

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|--|---|
| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/hr. | <b>Weather forecast for next five days of Thoubal (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 12-14 °C. Relative humidity may reach upto 94 % (max) and 51 % (min). The average wind speed may be 4-5 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.  |   |

| <b>Field Crops</b>        |   |                     |  |
|---------------------------|---|---------------------|--|
| Name of the crop          | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Rapeseed/ mustard         | Sowing to early vegetative  |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea                 | Sowing to early vegetative  |                     | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil                    | Sowing  |                     | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |
| <b>Horticulture Crops</b> |   |                     |  |
| Name of the crop          | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Garden pea                | Vegetative  |                     | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.  |
| Cole Crops                | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.  |
| Onion                     | Nursery raising to land preparation for transplanting                                   |                     | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.                        |
| Garlic                    | Planting  |                     | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.   |
| <b>Animal Sciences</b>    |   |                     |  |
| Name of bird/ animal      | Stage   | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck)   | All age groups  | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                           |   | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                           |   | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.   |
| Sheep/ Goat               | All age groups  | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                           |   | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                       | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                           |   | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                    | All age groups excepts the young ones   | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                           |   | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                           |   | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.  |
|                           |   | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |
| <b>Fisheries</b>          |   |                     |  |
| Carp culture              |   |                     | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.  |

(I. Meghachandra Singh)  
Nodal Officer, GKMS



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 22<sup>nd</sup> November, 2018

District: Ukhrul

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| <b>Significant past weather for the preceding bi-weekly of Imphal West (20<sup>th</sup> &amp; 21<sup>st</sup> Nov, 2018)</b><br>Observed no rainfall with shallow fog during morning hours and mainly clear to partly cloudy sky during afternoon hours. Maximum temperature recorded ranged from 24.2 – 24.3 °C and minimum of 6.1 – 6.9 °C with mean relative humidity 86.0 % max and 36.5 % min was recorded in the past two days & average wind speed was 1.4 – 2.2 km/hr. | <b>Weather forecast for next five days of Ukhrul (23<sup>rd</sup> to 27<sup>th</sup> Nov, 2018)</b><br>Likely to have no rains upto Tuesday and shallow to moderate fog during morning hours in next 2 days & mainly clear to partly cloudy sky with maximum temp. 27-28 °C & minimum temp. 13-14 °C. Relative humidity may reach upto 89 % (max) and 42 % (min). The average wind speed may be 4-5 km/hr. |
| <b>General Advisories:</b><br>* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.<br>* Light irrigation may be given wherever required.  |  |

| Field Crops             |   |                     |  |
|-------------------------|---|---------------------|--|
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Rapeseed/ mustard       | Sowing to early vegetative  |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.  |
| Field pea               | Sowing to early vegetative  |                     | - Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.   |
| Lentil                  | Sowing  |                     | - Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.   |
| 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.<br>- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. |
| Horticulture Crops      |   |                     |  |
| Name of the crop        | Stage   | Pest and disease    | Agro-meteorological advisories   |
| Garden pea              | Vegetative  |                     | - Regularly monitor for soil moisture level in the crop field and insect pest infestation.<br>- Avoid plucking off of young shoots.  |
| Cole Crops              | Curd/ head formation to harvesting of mid-season var. and transplanting of late variety |                     | - Keep the soil moist throughout the vegetative stage. Monitor for insect pest infestation.<br>- Transplanting of late variety of cole crops may be done at a spacing of row to row 45-60 cm and plant to plant 45cm.<br>- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.  |
| Onion                   | Nursery raising to land preparation for transplanting                                   |                     | - Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged.<br>- Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.                        |
| Garlic                  | Planting  |                     | - Garlic bulblets may be planted.<br>- Monitor for water requirement in the field.   |
| Animal Sciences         |   |                     |  |
| Name of bird/ animal    | Stage   | Disease/ Management | Agro-meteorological advisories   |
| Poultry (Chicken/ Duck) | All age groups  | Coccidiosis         | Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.  |
|                         |   | Deworming           | Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.   |
|                         |   | Care and Management | Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.   |
| Sheep/ Goat             | All age groups  | Deworming           | - Give Ranizole suspension @ 3ml/ 10 kg body weight.   |
|                         |   | Vaccination         | Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.   |
| Pig                     | All age groups except the young ones  | Deworming           | Albendazole Plus Avermectin Table 6 mg/adult.  |
|                         |   | Skin diseases       | Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution   |
| Cattle                  | All age groups excepts the young ones   | Vaccination         | Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.   |
|                         |   | Tick                | Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.   |
|                         |   | Deworming           | Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.  |
|                         |   | Care and Management | Sheds must be kept dry.<br>Use bedding materials   |
| Fisheries               |   |                     |  |
| Carp culture            |   |                     | - Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.  |

(I. Meghachandra Singh)  
Nodal Officer, GKMS