



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
 Mizoram Centre, Kolasib- 796081, MIZORAM
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Kolasib

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 24 | 24 | 25 | 25 | 26 |
| Min Temp (°C) | 2 | 8 | 3 | 4 | 5 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 97 | 97 | 95 | 94 | 94 |
| Min RH (%) | 33 | 34 | 35 | 31 | 31 |
| Wind Speed (Kmph) | 6 | 6 | 6 | 4 | 3 |
| *Wind Direction | E | E | E | E | E |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

Weather summary of the past three days

The temperature range for maximum and minimum were 19.3-26.2⁰C and 7.1-12.2⁰C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 59-64% & minimum of 20-31%. Rainfall recorded for the past three days is 00.0mm.

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26⁰C and 2-8⁰C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 31-35%. Wind direction would be easterly with the wind speed of 4-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



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| | | | |
|-----------|---------------------------|--|--|
| | | | <ul style="list-style-type: none"> • Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> ✚ Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. ✚ In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. ✚ Polythene nursery raising can be done/ initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



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| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant. ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation to the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



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| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | <ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



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Expert committee members:

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District: Lawngtalai

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 25 | 25 | 25 | 26 | 25 |
| Min Temp (°C) | 6 | 7 | 6 | 6 | 4 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 94 | 94 | 94 | 94 | 92 |
| Min RH (%) | 31 | 37 | 33 | 31 | 31 |
| Wind Speed (Kmph) | 7 | 7 | 6 | 6 | 5 |
| *Wind Direction | N-E | E | E | E | E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**,
Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|-------------------------------------|--------------------------------------|-----------------------------------|---------------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Champhai- 0.00 mm (0.00mm) | Mamit-0.00 mm (0.00mm) | Aizawl-0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Lawngtalai-0.00mm (0.00mm) | Lunglei-0.00mm (0.00mm) | Chhimtuipui-0.00mm (0.00mm) |

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-26⁰C and 4-7⁰C. Maximum relative humidity is expected in the range of 92-94% and minimum may from 31-37%. Wind direction would be northeasterly with the wind speed of 5-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



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| | | | |
|-----------|------------------------|--|--|
| | | | <ul style="list-style-type: none"> Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/ initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



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| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation to the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



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| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | <ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



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Collaborating Department:

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| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 25 | 24 | 25 | 25 | 24 |
| Min Temp (°C) | 4 | 5 | 4 | 5 | 2 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 98 | 98 | 98 | 97 | 96 |
| Min RH (%) | 28 | 33 | 31 | 27 | 26 |
| Wind Speed (Kmph) | 6 | 6 | 6 | 5 | 3 |
| *Wind Direction | E | E | E | E | E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**, Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
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| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-25⁰C and 2-5⁰C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 26-33%. Wind direction would be easterly with the wind speed of 3-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



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|-----------|---------------------------|--|--|
| | | | <ul style="list-style-type: none"> • Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> ✚ Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. ✚ In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. ✚ Polythene nursery raising can be done/ initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation to the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | <ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Mizoram Centre, Kolasib- 796081, MIZORAM
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Mamit

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 25 | 25 | 25 | 25 | 24 |
| Min Temp (°C) | 6 | 6 | 6 | 5 | 2 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 97 | 96 | 96 | 95 | 94 |
| Min RH (%) | 37 | 38 | 38 | 36 | 33 |
| Wind Speed (Kmph) | 6 | 6 | 6 | 4 | 2 |
| *Wind Direction | E | E | E | E | E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**,
Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

**Weather summary of the past
three days**

**Weather forecast valid from 14th January, 2015 To 18th
January, 2015.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 2-6°C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 33-38%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-----------|---------------------------|--|---|
| | | | <ul style="list-style-type: none"> Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation to the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
Mizoram Centre, Kolasib- 796081, MIZORAM
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Serchhip

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 24 | 23 | 24 | 24 | 24 |
| Min Temp (°C) | 3 | 4 | 2 | 3 | 0 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 100 | 100 | 100 | 100 | 100 |
| Min RH (%) | 22 | 30 | 27 | 21 | 21 |
| Wind Speed (Kmph) | 6 | 6 | 6 | 4 | 2 |
| *Wind Direction | E | E | E | E | E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**,
Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-24⁰C and 0-4⁰C. Maximum relative humidity is expected in the range of 100% and minimum may from 21-27%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-----------|---------------------------|--|--|
| | | | <ul style="list-style-type: none"> • Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation in the base. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation in the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> ✚ Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. ✚ In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. ✚ Polythene nursery raising can be done/ initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-------------------|------------------|------------------------------|---|
| | | | ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation if require. |
| | | Disease: Damping off- | ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation if require. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | ✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective. |
| Mustard and toria | Flowering stage | | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation in the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | <ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
 Mizoram Centre, Kolasib- 796081, MIZORAM
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Aizawl

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 24 | 24 | 24 | 24 | 23 |
| Min Temp (°C) | 4 | 4 | 3 | 3 | 0 |
| Cloud Coverage | Mainly Clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 98 | 98 | 98 | 97 | 97 |
| Min RH (%) | 32 | 34 | 34 | 30 | 30 |
| Wind Speed (Kmph) | 6 | 6 | 6 | 4 | 2 |
| *Wind Direction | E | E | E | E | E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**,
Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

**Weather summary of the past
three days**

**Weather forecast valid from 14th January, 2015 To 18th
January, 2015.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-24°C and 0-4°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 30-34%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-----------|---------------------------|--|--|
| | | | <ul style="list-style-type: none"> Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/ initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation in the plant. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation to the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | LUNGLEI | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION
 Mizoram Centre, Kolasib- 796081, MIZORAM
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Champhai

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 23 | 23 | 23 | 23 | 23 |
| Min Temp (°C) | 3 | 3 | 3 | 2 | 0 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 99 | 99 | 99 | 99 | 99 |
| Min RH (%) | 29 | 34 | 33 | 28 | 28 |
| Wind Speed (Kmph) | 5 | 5 | 4 | 4 | 3 |
| *Wind Direction | S | S | S | S | S-E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**,
Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23⁰C and 0-3⁰C. Maximum relative humidity is expected in the range of 99% and minimum may from 28-34%. Wind direction would be southeasterly with the wind speed of 3-5 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|-----------|------------------------|--|--|
| | | | <ul style="list-style-type: none"> Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation in the base. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/ initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



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Mizoram Centre, Kolasib- 796081, MIZORAM

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| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation in the field. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation in the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation in the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | SERCHHIP | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | <ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Chhimtuipui

Period: 14 – 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

| Parameters | 14.01.2015 | 15.01.2015 | 16.01.2015 | 17.01.2015 | 18.01.2015 |
|-------------------|--------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max Temp (°C) | 25 | 24 | 25 | 26 | 25 |
| Min Temp (°C) | 4 | 5 | 3 | 4 | 1 |
| Cloud Coverage | Mainly clear | Clear sky | Clear sky | Clear sky | Clear sky |
| Max RH (%) | 99 | 99 | 99 | 99 | 99 |
| Min RH (%) | 25 | 32 | 26 | 25 | 26 |
| Wind Speed (Kmph) | 7 | 7 | 6 | 4 | 4 |
| *Wind Direction | E | E | E | E | E |

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**,
Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

| | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) | Kolasib- 0.00 mm (0.00mm) |
| Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) | Serchhip-0.00mm (0.00mm) |

**Weather summary of the past
three days**

**Weather forecast valid from 14th January, 2015 To 18th
January, 2015.**

There is no chance of light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-25⁰C and 1-5⁰C. Maximum relative humidity is expected in the range of 99% and minimum may from 25-32%. Wind direction would be easterly with the wind speed of 4-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

| Main Crop/ Animal /Fisheries | Stage | Cultural practices/ Pest/ Diseases | Agricultural / Horticultural/ animal husbandry advisories |
|------------------------------------|------------------|---------------------------------------|---|
| Khasi Mandarin | Vegetative stage | Canker | <ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. |



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| | | | |
|-----------|---------------------------|--|---|
| | | | <ul style="list-style-type: none"> • Excess water removes from the base of the plant. |
| Banana | Vegetative/ harvesting | KOLASIB | <ul style="list-style-type: none"> ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. |
| Pineapple | Vegetative stage | MAMIT AIZAWL CHAMPAL SERCHHIP | <ul style="list-style-type: none"> ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/ltr of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. |
| Cucurbits | Vegetative stage | LUNGLEI LAWNGTLAI | <ul style="list-style-type: none"> ✚ Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. ✚ In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. ✚ Polythene nursery raising can be done/initiate |
| | | Damping off and Blight | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed |



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| | | | |
|-------------------|------------------|------------------------------|---|
| | | | <ul style="list-style-type: none"> ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| Brinjal | Fruiting stage | KOLASIB | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation to the plant. |
| | | Disease: Damping off- | <ul style="list-style-type: none"> ○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. |
| | | Pest: Mites and hoppers- | <ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest. |
| Cowpea | Fruiting stage | AIZAWL | <ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base. |
| | | Scab and leaf blight disease | <ul style="list-style-type: none"> ✓ Use of resistant varieties. |
| Early Cole crop | Vegetative stage | Card formation stage | <ul style="list-style-type: none"> ❖ Application of Nitrogenous fertilizer urea in card formation stage. ❖ Provide irrigation to the plant. ❖ Weeding near the plant. |
| | | Damping off | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Mustard sawfly | <ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective. |
| Mustard and toria | Flowering stage | LUNGLEI | <ul style="list-style-type: none"> ○ Weeding in the toria plot. ○ Provide irrigation to the field. ○ Top dressing with urea if available or apply cow dung. |
| Pea | Flowering Stage | LAWNGTLAI | <ul style="list-style-type: none"> ✓ Weeding to the pea plot. ✓ Provide irrigation in the field. |
| | | Aphid | <ul style="list-style-type: none"> ○ In case of aphid infestation apply Imidachloprid 1.5ml/lt of water. |



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| | | | |
|---------|------------------|---|---|
| Tomato | Vegetative stage | Land preparation | <ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Provide irrigation in the plant. |
| | | Damping off KOLASIB | <ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. |
| | | Leaf spot and leaf blotch MAMIT AIZAWL | <ul style="list-style-type: none"> ○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals. ○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. |
| Rice | Harvesting stage | | <ul style="list-style-type: none"> ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. |
| Pig | All stages | Porcine Reproductive Respiratory Syndrome (PRRS). | 1. Culling of positive pigs or piglets. |
| | Adult stage | Swine fever. | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval |
| Cattle | All age group | Foot and Mouth Disease (FMD) | • FMD vaccine at 16 week and repeat every 6 month. |
| | Young stage | Black Quarter (BQ) | • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually |
| Poultry | Adult stage | Ranikhet Disease. | • F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. |
| | Early stage | Coccidiosis | 1. Amprolium or coccidiostat |



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