



**INTEGRATED AGROMET ADVISORY
SERVICE**
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: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	8	0	0	0	3
Max Temp (°C)	28	30	26	28	30
Min Temp (°C)	22	21	20	20	21
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	98	99	99
Min RH (%)	85	77	89	83	61
Wind Speed (Kmph)	5	4	6	6	5
Wind Direction	Southerly	Southerly	Southerly	Southerly	South-easterly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib- Champhai- Mamit- Aizawl-
Serchhip- Lawngtalai- Lunglei- Chhimtuipui-

**Weather summary of the past
three days**

The temperature range for maximum and minimum were 29.7-30.1°C and 23.1-24.1°C respectively. Partially Cloudy weather was observed. Wind direction is southwesterly. Maximum RH observed 68-82% & minimum of 29-42%. Rainfall recorded for the past three days is 041.4 mm.

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of light rainfall during the next 2 day. The maximum and minimum temperatures for the next 5 days may range for 26-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 61-89%. Wind direction would be southeasterly with the wind speed of 4-6 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:011.0mm

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/10 lt



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			<p>of water.</p> <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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	MAMIT AIZAWL	<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/l of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		Disease: Wilt-	<ul style="list-style-type: none"> ○ Crop rotation with chillies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
		Yellow vein mosaic-	<ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.



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		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage	KOLASIB	<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		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	Vegetative stage	MAMIT	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ 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.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Leaf spot	<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.
Maize	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer.
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop.
		Pest: Corn earworm	<ul style="list-style-type: none"> - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of should be fine to eat.



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Rice	Maximum Seedling stage	Rice Stem borer	<ul style="list-style-type: none"> - Crop rotation with leguminous crop. ✓ One hand weed will require. ✓ Application of split dose of Urea.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS). Swine fever.	<p>To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.</p> <ol style="list-style-type: none"> 1. Culling of positive pigs or piglets. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD) Black Quarter (BQ)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month. • Black Quarter Vaccine (BQV). <ul style="list-style-type: none"> ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease. Coccidiosis	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds. 1. Amprolium or coccidiostat



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District: Chhimtuipui

Period: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	10	6	4	0	0
Max Temp (°C)	28	26	25	29	30
Min Temp (°C)	20	19	18	18	18
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	100	99	98	100	99
Min RH (%)	84	76	74	56	51
Wind Speed (Kmph)	2	2	2	3	2
Wind Direction	Southerly	Southerly	South-easterly	South-easterly	South-easterly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib- Champhai- Mamit- Aizawl-
Serchhip- Lawngtalia- Lunglei- Chhimtuipui-

**Weather summary of the past
three days**

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of moderate to light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 25-30°C and 18-20°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 51-84%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:020.0mm

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.



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			<ul style="list-style-type: none"> • For canker, spray streptomycin 2g/10 lt of water. • 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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL	<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/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		LAWNG	<p>Disease:</p> <ul style="list-style-type: none"> ○ Crop rotation with chilies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
		SAIHA	<p>Yellow vein mosaic-</p> <ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the



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			control of vector.
		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage	KOLASIB	<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		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	Vegetative stage	MAMIT	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ 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.
Ginger & Turmeric	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Leaf spot	<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.
Maize	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer.
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop.
		Pest: Corn earworm	<ul style="list-style-type: none"> - If earworm damage occurs, clipp off the tip of the ear and any affected kernels.



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			The rest of should be fine to eat. - Crop rotation with leguminous crop.
Rice	Maximum Seedling stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer KOLASIB	To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
		Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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District: Champhai

Period: 20-24 August, 2014

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Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	3	3	0	0	0
Max Temp (°C)	28	28	25	28	30
Min Temp (°C)	20	19	18	18	18
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
Max RH (%)	99	99	99	99	99
Min RH (%)	77	69	82	74	52
Wind Speed (Kmph)	3	2	3	4	3
Wind Direction	South-westerly	South-westerly	South-westerly	South-westerly	South-westerly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) **will start shortly**

Kolasib-	Champhai-	Mamit-	Aizawl-
Serchhip-	Lawngtalia-	Lunglei-	Chhimtuipui-

Weather summary of the past three days

Weather forecast valid from 20th August 2014 To 24th August 2014.

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Weekly cumulative rainfall:006.0mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural/Horticultural/ animal husbandry advisories
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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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL	<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/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		LAWNG	<p>Disease:</p> <ul style="list-style-type: none"> ○ Crop rotation with chilies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
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			control of vector.
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Cowpea	Vegetative stage	Scab and leaf blight disease	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Leaf spot	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Ginger & Turmeric	Vegetation stage	Stewart's bacterial wilt.	<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Pest: Corn earworm	<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.
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**INTEGRATED AGROMET ADVISORY
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Mizoram Centre, Kolasib- 796081, MIZORAM
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Guwahati)



District: Aizawl

Period: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	13	3	0	0	0
Max Temp (°C)	28	28	26	28	30
Min Temp (°C)	20	20	18	18	18
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	98	99	100
Min RH (%)	81	76	85	78	58
Wind Speed (Kmph)	4	4	5	5	4
Wind Direction	South-westerly	South-westerly	South-westerly	South-westerly	South-westerly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) **will start shortly**

Kolasib- Champhai- Mamit- Aizawl-
Serchhip- Lawngtalia- Lunglei- Chhimtuipui-

**Weather summary of the past
three days**

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of moderate to light rainfall during the next 2 day. The maximum and minimum temperatures for the next 5 days may range for 26-30°C and 18-20°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 58-81%. Wind direction would be southeasterly with the wind speed of 4-5 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:016.0mm

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



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Guwahati)*



			weed. <ul style="list-style-type: none"> • For canker, spray streptomycin 2g/10 lt of water. • 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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
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/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	LUNGLEI	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		LAWI SAIHA	<p>Disease:</p> <p>Wilt-</p> <ul style="list-style-type: none"> ○ Crop rotation with chillies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
			<p>Yellow vein mosaic-</p> <ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in



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			350 litre of water per acre for the control of vector.
		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		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	Vegetative stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ 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.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Leaf spot	<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.
Maize	Flowering stage		<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer.
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop.
		Pest:	<ul style="list-style-type: none"> - If earworm damage occurs, clipp off the



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		Corn earworm	tip of the ear and any affected kernels. The rest of should be fine to eat. - Crop rotation with leguminous crop.
Rice	Maximum Seedling stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
		Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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District: Serchhip

Period: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	3	0	0	0	3
Max Temp (°C)	28	26	26	28	30
Min Temp (°C)	19	18	17	17	17
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Clean	Mainly Clean
Max RH (%)	100	99	100	100	100
Min RH (%)	73	71	69	61	48
Wind Speed (Kmph)	2	2	2	2	2
Wind Direction	Southerly	Southerly	Southerly	Southerly	Southerly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib- Champhai- Mamit- Aizawl-
Serchhip- Lawngtalia- Lunglei- Chhimtuipui-

**Weather summary of the past
three days**

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of light rainfall during the next 2 day. The maximum and minimum temperatures for the next 5 days may range for 26-30°C and 17-19°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 48-73%. Wind direction would be southeasterly with the wind speed of 2 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:006.0mm

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/10 lt



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			<p>of water.</p> <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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	MAMIT AIZAWL	<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/l of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP LUNGLEI	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		Disease: Wilt-	<ul style="list-style-type: none"> ○ Crop rotation with chillies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
		Yellow vein mosaic-	<ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.



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		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage	Disease: Damping off-	<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest.
Cowpea	Vegetative stage	Scab and leaf blight disease	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Ginger & Turmeric	Vegetation stage	Leaf spot	<ul style="list-style-type: none"> ✓ Use of resistant varieties. ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Disease: Stewart's bacterial wilt.	<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.
Maize	Flowering stage	Pest: Corn earworm	<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer. - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of should be fine to eat.



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Rice	Maximum Seedling stage	Rice Stem borer	<ul style="list-style-type: none"> - Crop rotation with leguminous crop. ✓ One hand weed will require. ✓ Application of split dose of Urea.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS). Swine fever.	<p>To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.</p> <ol style="list-style-type: none"> 1. Culling of positive pigs or piglets. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD) Black Quarter (BQ)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month. • Black Quarter Vaccine (BQV). <ul style="list-style-type: none"> ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease. Coccidiosis	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds. 1. Amprolium or coccidiostat



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District: Mamit

Period: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	13	3	0	0	0
Max Temp (°C)	29	28	27	28	30
Min Temp (°C)	22	21	20	20	21
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
Max RH (%)	99	99	98	99	100
Min RH (%)	81	80	83	78	63
Wind Speed (Kmph)	5	6	6	6	5
Wind Direction	Southerly	Southerly	Southerly	Southerly	Southerly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib-	Champhai-	Mamit-	Aizawl-
Serchhip-	Lawngtal-	Lunglei-	Chhimtuipui-

**Weather summary of the past
three days**

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of moderate to light rainfall during the next 2 day. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 63-83%. Wind direction would be southeasterly with the wind speed of 5-6 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:016.0mm

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.



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			<ul style="list-style-type: none"> • For canker, spray streptomycin 2g/10 lt of water. • 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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL	<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/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		LAWNG	<p>Disease:</p> <ul style="list-style-type: none"> ○ Crop rotation with chilies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
		SAIHA	<p>Yellow vein mosaic-</p> <ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the



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			control of vector.
		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage	Disease: Damping off-	<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest.
Cowpea	Vegetative stage	Scab and leaf blight disease	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Leaf spot	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Ginger & Turmeric	Vegetation stage	Stewart's bacterial wilt.	<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Pest: Corn earworm	<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.
Maize	Flowering stage		<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer. - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels.



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			The rest of should be fine to eat. - Crop rotation with leguminous crop.
Rice	Maximum Seedling stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
		Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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ICAR RESEARCH COMPLEX FOR NEH REGION
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District: Lunglei

Period: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	6	5	3	0	3
Max Temp (°C)	28	27	27	28	30
Min Temp (°C)	20	19	18	19	19
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	98	96	99	99	96
Min RH (%)	61	63	65	69	68
Wind Speed (Kmph)	5	5	5	5	3
Wind Direction	South-easterly	South-easterly	South-easterly	South-easterly	South-easterly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib- Champhai- Mamit- Aizawl-
Serchhip- Lawngtalia- Lunglei- Chhimtuipui-

**Weather summary of the past
three days**

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 27-30⁰C and 18-20⁰C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 61-69%. Wind direction would be southeasterly with the wind speed of 3-5 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:017.0mm

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.



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			<ul style="list-style-type: none"> • For canker, spray streptomycin 2g/10 lt of water. • 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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL	<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/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		LAWNG	<p>Disease:</p> <ul style="list-style-type: none"> ○ Crop rotation with chilies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
		SAIHA	<p>Yellow vein mosaic-</p> <ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the



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			control of vector.
		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage	KOLASIB	<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		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	Vegetative stage	MAMIT	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ 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.
Ginger & Turmeric	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Leaf spot	<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.
Maize	Flowering stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer.
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop.
		Pest: Corn earworm	<ul style="list-style-type: none"> - If earworm damage occurs, clipp off the tip of the ear and any affected kernels.



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			The rest of should be fine to eat. - Crop rotation with leguminous crop.
Rice	Maximum Seedling stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer KOLASIB	To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
		Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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District: Lawngtalai

Period: 20-24 August, 2014

Bulletin No: -442/2014/ Bulletin/English

Dated: 19th August, 2014

Parameters	20-08-2014	21-08-2014	22-08-2014	23-08-2014	24-08-2014
Rainfall (mm)	11	10	6	0	4
Max Temp (°C)	28	27	26	29	30
Min Temp (°C)	21	20	19	19	20
Cloud Coverage	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly clear	Mainly clear
Max RH (%)	98	98	96	98	98
Min RH (%)	82	78	76	61	57
Wind Speed (Kmph)	2	5	5	5	4
Wind Direction	South-easterly	South-easterly	South-easterly	South-easterly	South-easterly

STATUS OF MONSOON (August 1-30, 2014, in bracket percent of variation over normal) will start shortly

Kolasib- Champhai- Mamit- Aizawl-
Serchhip- Lawngtalai- Lunglei- Chhimtuipui-

**Weather summary of the past
three days**

**Weather forecast valid from 20th August 2014 To 24th
August 2014.**

There is a chance of moderate to light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 26-30°C and 19-21°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 57-82%. Wind direction would be southeasterly with the wind speed of 2-5 km per hour. Partially cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall:031.0mm

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.



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			<ul style="list-style-type: none"> • For canker, spray streptomycin 2g/10 lt of water. • 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. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
Pineapple	Vegetative stage	AIZAWL	<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/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation.
Cucurbits	Vegetation stage	SERCHHIP	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
Okra	Vegetation stage	LUNGLEI	<ul style="list-style-type: none"> ✓ Weeding near the plant ✓ Fertilizer application in split dose of recommended dose. ✓ Draining of excess water and preparation mound near the base.
		LAWNG	<p>Disease:</p> <ul style="list-style-type: none"> ○ Crop rotation with chiliies, tomato etc. ○ Treatment of seed with 3 g of captan or thiram per kg before sowing.
		SAIHA	<p>Yellow vein mosaic-</p> <ul style="list-style-type: none"> ○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the



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			control of vector.
		Pest: Worm- Spider mite-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre. ○ Spray 250 ml of metasystox 25 EC in 125 litres of water
Brinjal	Vegetation stage	Disease: Damping off-	<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> ○ Sulfur fungicides can be used to control this pest.
Cowpea	Vegetative stage	Scab and leaf blight disease	<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Fertilizer application in split dose of recommended dose. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Leaf spot	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Ginger & Turmeric	Vegetation stage	Stewart's bacterial wilt.	<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field ✓ Gap filling
		Pest: Corn earworm	<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.
Maize	Flowering stage		<ul style="list-style-type: none"> ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer. - Used of resistant varieties. - Field sanitation. - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels.



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			The rest of should be fine to eat. - Crop rotation with leguminous crop.
Rice	Maximum Seedling stage		✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer KOLASIB	To manage the attack a Spray of either validamycin 3L @ 2.5 ml or Hexaconazole 5 EC @ 2.0 ml or Propiconazole 25 EC @ 1 ml per liter of water.
Pig	Ages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
		Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	Ages	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	• Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	• F1 vaccine at 0 days and R ₂ B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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