



INTEGRATED AGROMET ADVISORY SERVICE

ICAR Research Complex for NEH Region

Mizoram Centre, Kolasib- 796081, MIZORAM

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: iaaskolasib@yahoo.in



ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

District: Chhimtuipui

No: -438/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
		<p>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 28-30⁰C and 19-21⁰C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 60-86%. 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.</p> <p>Weekly cumulative rainfall:024.0mm</p>	
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 of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		<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		<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		<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.



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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.
		Pest: Worm-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre.
		Spider mite-	<ul style="list-style-type: none"> ○ 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.



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District: Chhimtuipui

			<ul style="list-style-type: none"> - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.
		Pest: Corn earworm	
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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District: Kolasib

No: -438/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
The temperature range for maximum and minimum were 29.8-31.3°C and 23.9-24.6°C respectively. Partially Cloudy weather was observed. Wind direction is southwesterly. Maximum RH observed 46-71% & minimum of 25-33%. Rainfall recorded for the past three days is 088.0 mm.		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 28-32°C and 22-23°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 64-83%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially cloudy sky weather will prevail during the next five days. Weekly cumulative rainfall:028.0mm	
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 of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		<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		<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		<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



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District: Kolasib

			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.
		Pest: Worm-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre.
		Spider mite-	<ul style="list-style-type: none"> ○ Spray 250 ml of metasytox 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:	<ul style="list-style-type: none"> - Used of resistant varieties.



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		Stewart`s bacterial wilt.	<ul style="list-style-type: none"> - 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 the should be fine to eat.
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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 mlper 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)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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Altitude-635MSL

District: Lawngtalai

No: -438/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
		<p>There is a chance of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 21-22°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 62-84%. 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.</p> <p>Weekly cumulative rainfall: 038.0mm</p>	
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 of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		<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		<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		<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.



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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.
		Pest: Worm-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre.
		Spider mite-	<ul style="list-style-type: none"> ○ 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.



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District: Lawngtalai

			<ul style="list-style-type: none"> - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.
		Pest: Corn earworm	
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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District: Lunglei

No: -438//2014/ Bulletin/English

Dated: 05th August, 2014

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		<p>There is a chance of light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 20-22°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 56-71%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Partially cloudy sky weather will prevail during the next five days.</p> <p>Weekly cumulative rainfall:019.0mm</p>	
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Cucurbits	Vegetation 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.



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		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.
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		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.
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District: Lunglei

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INTEGRATED AGROMET ADVISORY SERVICE

ICAR Research Complex for NEH Region

Mizoram Centre, Kolasib- 796081, MIZORAM

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: iaaskolasib@yahoo.in



ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

District: Mamit

No: -437/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
		<p>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 29-32⁰C and 22-23⁰C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 66-79%. 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.</p> <p>Weekly cumulative rainfall:031.0mm</p>	
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 of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		<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		<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		<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.



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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.
		Pest: Worm-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre.
		Spider mite-	<ul style="list-style-type: none"> ○ 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.



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District: Mamit

			<ul style="list-style-type: none"> - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.
		Pest: Corn earworm	
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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 mlper 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)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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Altitude-635MSL

District: Serchhip

No: -438/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
		<p>There is a chance of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 28-31°C and 19-21°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 54-69%. Wind direction would be southeasterly with the wind speed of 0-2 km per hour. Partially cloudy sky weather will prevail during the next five days.</p> <p>Weekly cumulative rainfall: 014.0mm</p>	
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 of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		<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		<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		<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.



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		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.
		Pest: Worm-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre.
		Spider mite-	<ul style="list-style-type: none"> ○ 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.



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District: Serchhip

			<ul style="list-style-type: none"> - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.
		Pest: Corn earworm	
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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 mlper 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)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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Altitude-635MSL

District: Aizawl

No: -438/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
		<p>There is a chance of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 28-31⁰C and 20-22⁰C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 63-77%. 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.</p> <p>Weekly cumulative rainfall: 040.0mm</p>	
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 of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		<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		<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		<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.



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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.
		Pest: Worm-	<ul style="list-style-type: none"> ○ Spray 150 ml malathion 50 litres of water acre.
		Spider mite-	<ul style="list-style-type: none"> ○ 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.



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District: Aizawl

		Pest: Corn earworm	<ul style="list-style-type: none"> - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
		Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Ages	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at 0 days and R₂B vaccine for adult birds.
		Coccidiosis	1. Amprolium or coccidiostat



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Altitude-635MSL

District: Champhai

No: -438/2014/ Bulletin/English

Dated: 05th August, 2014

Weather summary of the past three days		Weather forecast valid from 06 th August 2014 To 10 th August 2014.	
		<p>There is a chance of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-31°C and 20-21°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 60-75%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially cloudy sky weather will prevail during the next five days.</p> <p>Weekly cumulative rainfall:031.0mm</p>	
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Banana	Vegetative/ harvesting		<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		<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		<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.



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		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.
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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.
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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.
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District: Champhai

			<ul style="list-style-type: none"> - Crop rotation with leguminous crop. - If earworm damage occurs, clipp off the tip of the ear and any affected kernels.
		Pest: Corn earworm	
Rice	Maximum Seedling stage		<ul style="list-style-type: none"> ✓ 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.
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		Coccidiosis	1. Amprolium or coccidiostat