



# 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: Lawngtalai

No: -440/2014/ Bulletin/English

Dated: 12<sup>th</sup> August, 2014

Weather summary of the past three days		Weather forecast valid from 13 <sup>th</sup> August 2014 To 17 <sup>th</sup> 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 29°C and 21°C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 64-68%. Wind direction would be southeasterly with the wind speed of 6-7 km per hour. Partially cloudy sky weather will prevail during the next five days.</p> <p><b>Weekly cumulative rainfall:035.0mm</b></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"> <li>• Prune the diseased and dead twigs.</li> <li>• Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>• For canker, spray streptomycin 2g/10 lt of water.</li> <li>• Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetation stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>



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		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
		Yellow vein mosaic-	<ul style="list-style-type: none"> <li>○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.</li> </ul>
		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Damping off-	<ul style="list-style-type: none"> <li>○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> <li>○ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
		Leaf spot	<ul style="list-style-type: none"> <li>○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals.</li> <li>○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> <li>- Field sanitation.</li> </ul>



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District: Lawngtalai

			<ul style="list-style-type: none"> <li>- Crop rotation with leguminous crop.</li> <li>- If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.</li> </ul>
		<b>Pest:</b> <b>Corn earworm</b>	
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
		<b>Swine fever.</b>	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
<b>Cattle</b>	<b>Ages</b>	<b>Foot and Mouth Disease (FMD)</b>	<ul style="list-style-type: none"> <li>• FMD vaccine at 16 week and repeat every 6 month.</li> </ul>
		<b>Black Quarter (BQ)</b>	<ul style="list-style-type: none"> <li>• Black Quarter Vaccine (BQV).</li> <li>❖ Primary vaccination 6 month or above</li> <li>❖ Revaccination annually</li> </ul>
<b>Poultry</b>	<b>Ages</b>	<b>Ranikhet Disease.</b>	<ul style="list-style-type: none"> <li>• F1 vaccine at 0 days and R<sub>2</sub>B vaccine for adult birds.</li> </ul>
		<b>Coccidiosis</b>	1. Amprolium or coccidiostat



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Dated: 12<sup>th</sup> August, 2014

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		<p>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 28-30°C and 20°C. Maximum relative humidity is expected in the range of 99% and minimum may from 59-65%. 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><b>Weekly cumulative rainfall:017.0mm</b></p>	
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Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
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		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
		Yellow vein mosaic-	<ul style="list-style-type: none"> <li>○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.</li> </ul>
		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
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Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
		Leaf spot	<ul style="list-style-type: none"> <li>○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals.</li> <li>○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> <li>- Field sanitation.</li> </ul>



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District: Lunglei

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		<b>Pest: Corn earworm</b>	
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
		<b>Swine fever.</b>	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
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District: Mamit

No: -440/2014/ Bulletin/English

Dated: 12<sup>th</sup> August, 2014

Weather summary of the past three days		Weather forecast valid from 13 <sup>th</sup> August 2014 To 17 <sup>th</sup> August 2014.	
		<p>There is a chance of light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 22°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 59-77%. Wind direction would be southeasterly with the wind speed of 6-8 km per hour. Partially cloudy sky weather will prevail during the next five days.</p> <p><b>Weekly cumulative rainfall:022.0mm</b></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"> <li>• Prune the diseased and dead twigs.</li> <li>• Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>• For canker, spray streptomycin 2g/10 lt of water.</li> <li>• Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
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Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetation stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>



# INTEGRATED AGROMET ADVISORY SERVICE

## ICAR Research Complex for NEH Region

Mizoram Centre, Kolasib- 796081, MIZORAM

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ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

Okra	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding near the plant</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> <li>✓ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
		Yellow vein mosaic-	<ul style="list-style-type: none"> <li>○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.</li> </ul>
		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Damping off-	<ul style="list-style-type: none"> <li>○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> <li>○ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
		Leaf spot	<ul style="list-style-type: none"> <li>○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals.</li> <li>○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> <li>- Field sanitation.</li> </ul>



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ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

District: Serchhip

			<ul style="list-style-type: none"> <li>- Crop rotation with leguminous crop.</li> <li>- If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.</li> </ul>
		<b>Pest: Corn earworm</b>	
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
		<b>Swine fever.</b>	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
<b>Cattle</b>	<b>Ages</b>	<b>Foot and Mouth Disease (FMD)</b>	<ul style="list-style-type: none"> <li>• FMD vaccine at 16 week and repeat every 6 month.</li> </ul>
		<b>Black Quarter (BQ)</b>	<ul style="list-style-type: none"> <li>• Black Quarter Vaccine (BQV).</li> <li>❖ Primary vaccination 6 month or above</li> <li>❖ Revaccination annually</li> </ul>
<b>Poultry</b>	<b>Ages</b>	<b>Ranikhet Disease.</b>	<ul style="list-style-type: none"> <li>• F1 vaccine at 0 days and R<sub>2</sub>B vaccine for adult birds.</li> </ul>
		<b>Coccidiosis</b>	1. Amprolium or coccidiostat



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ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

District: Aizawl

No: -440/2014/ Bulletin/English

Dated: 12<sup>th</sup> August, 2014

Weather summary of the past three days		Weather forecast valid from 13 <sup>th</sup> August 2014 To 17 <sup>th</sup> August 2014.	
		<p>There is a chance of light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 27-31°C and 20°C. Maximum relative humidity is expected in the range of 98% and minimum may from 55-76%. 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><b>Weekly cumulative rainfall:022.0mm</b></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"> <li>• Prune the diseased and dead twigs.</li> <li>• Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>• For canker, spray streptomycin 2g/10 lt of water.</li> <li>• Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetation stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>



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Altitude-635MSL

Okra	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding near the plant</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> <li>✓ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
		Yellow vein mosaic-	<ul style="list-style-type: none"> <li>○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.</li> </ul>
		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Damping off-	<ul style="list-style-type: none"> <li>○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> <li>○ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
		Leaf spot	<ul style="list-style-type: none"> <li>○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals.</li> <li>○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> <li>- Field sanitation.</li> </ul>





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ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

District: Aizawl

		<b>Pest:</b> <b>Corn earworm</b>	<ul style="list-style-type: none"> <li>- Crop rotation with leguminous crop.</li> <li>- If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.</li> </ul>
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
		<b>Swine fever.</b>	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
<b>Cattle</b>	<b>Ages</b>	<b>Foot and Mouth Disease (FMD)</b>	<ul style="list-style-type: none"> <li>• FMD vaccine at 16 week and repeat every 6 month.</li> </ul>
		<b>Black Quarter (BQ)</b>	<ul style="list-style-type: none"> <li>• Black Quarter Vaccine (BQV).</li> <li>❖ Primary vaccination 6 month or above</li> <li>❖ Revaccination annually</li> </ul>
<b>Poultry</b>	<b>Ages</b>	<b>Ranikhet Disease.</b>	<ul style="list-style-type: none"> <li>• F1 vaccine at 0 days and R<sub>2</sub>B vaccine for adult birds.</li> </ul>
		<b>Coccidiosis</b>	1. Amprolium or coccidiostat



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ICAR RC NEHR

Latitude-24°12'77" N

Longitude-92°40'52"E

IMD PUNE

Altitude-635MSL

District: Champhai

No: -440/2014/ Bulletin/English

Dated: 12<sup>th</sup> August, 2014

Weather summary of the past three days		Weather forecast valid from 13 <sup>th</sup> August 2014 To 17 <sup>th</sup> August 2014.	
		<p>There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 20°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 60-69%. 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><b>Weekly cumulative rainfall:003.0mm</b></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"> <li>• Prune the diseased and dead twigs.</li> <li>• Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>• For canker, spray streptomycin 2g/10 lt of water.</li> <li>• Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetation stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>



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Okra	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding near the plant</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> <li>✓ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
		Yellow vein mosaic-	<ul style="list-style-type: none"> <li>○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.</li> </ul>
		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Damping off-	<ul style="list-style-type: none"> <li>○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> <li>○ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
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Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> <li>- Field sanitation.</li> </ul>



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IMD PUNE

Altitude-635MSL

District: Champhai

			<ul style="list-style-type: none"> <li>- Crop rotation with leguminous crop.</li> <li>- If earworm damage occurs, clipp off the tip of the ear and any affected kernels.</li> </ul>
		<b>Pest:</b> <b>Corn earworm</b>	
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
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<b>Cattle</b>	<b>Ages</b>	<b>Foot and Mouth Disease (FMD)</b>	<ul style="list-style-type: none"> <li>• FMD vaccine at 16 week and repeat every 6 month.</li> </ul>
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<b>Poultry</b>	<b>Ages</b>	<b>Ranikhet Disease.</b>	<ul style="list-style-type: none"> <li>• F1 vaccine at 0 days and R<sub>2</sub>B vaccine for adult birds.</li> </ul>
		<b>Coccidiosis</b>	1. Amprolium or coccidiostat



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IMD PUNE

Altitude-635MSL

District: Chhimtuipui

No: -440/2014/ Bulletin/English

Dated: 12<sup>th</sup> August, 2014

Weather summary of the past three days		Weather forecast valid from 13 <sup>th</sup> August 2014 To 17 <sup>th</sup> 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 28-29°C and 19°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 60-65%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Partially cloudy sky weather will prevail during the next five days.</p> <p><b>Weekly cumulative rainfall: 011.0mm</b></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"> <li>• Prune the diseased and dead twigs.</li> <li>• Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>• For canker, spray streptomycin 2g/10 lt of water.</li> <li>• Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
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Okra	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding near the plant</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> <li>✓ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
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		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Damping off-	<ul style="list-style-type: none"> <li>○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> <li>○ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
		Leaf spot	<ul style="list-style-type: none"> <li>○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals.</li> <li>○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease: Stewart's bacterial wilt.	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> <li>- Field sanitation.</li> </ul>





# 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

			<ul style="list-style-type: none"> <li>- Crop rotation with leguminous crop.</li> <li>- If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.</li> </ul>
		<b>Pest:</b> <b>Corn earworm</b>	
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
		<b>Swine fever.</b>	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
<b>Cattle</b>	<b>Ages</b>	<b>Foot and Mouth Disease (FMD)</b>	<ul style="list-style-type: none"> <li>• FMD vaccine at 16 week and repeat every 6 month.</li> </ul>
		<b>Black Quarter (BQ)</b>	<ul style="list-style-type: none"> <li>• Black Quarter Vaccine (BQV).</li> <li>❖ Primary vaccination 6 month or above</li> <li>❖ Revaccination annually</li> </ul>
<b>Poultry</b>	<b>Ages</b>	<b>Ranikhet Disease.</b>	<ul style="list-style-type: none"> <li>• F1 vaccine at 0 days and R<sub>2</sub>B vaccine for adult birds.</li> </ul>
		<b>Coccidiosis</b>	1. Amprolium or coccidiostat



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IMD PUNE

Altitude-635MSL

District: Kolasib

No: -440/2014/ Bulletin/English

Dated: 12<sup>th</sup> August, 2014

Weather summary of the past three days		Weather forecast valid from 13 <sup>th</sup> August 2014 To 17 <sup>th</sup> August 2014.	
The temperature range for maximum and minimum were 29.1-31.2°C and 23.2-23.7°C respectively. Partially Cloudy weather was observed. Wind direction is southwesterly. Maximum RH observed 74-76% & minimum of 22-31%. Rainfall recorded for the past three days is 013.2 mm.		There is a chance of moderate to light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 27-32°C and 21-22°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 54-83%. Wind direction would be southeasterly with the wind speed of 4-7 km per hour. Partially cloudy sky weather will prevail during the next five days.  <b>Weekly cumulative rainfall: 043.0mm</b>	
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"> <li>• Prune the diseased and dead twigs.</li> <li>• Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> <li>• For canker, spray streptomycin 2g/10 lt of water.</li> <li>• Excess water removes from the base of the plant.</li> </ul>
Banana	Vegetative/ harvesting		<ul style="list-style-type: none"> <li>✓ Remove water sucker, keep 1or 2 plants in a single place.</li> <li>✓ Remove sword sucker and use it as new planting material.</li> <li>✓ Excess water removes from the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
Pineapple	Vegetative stage		<ul style="list-style-type: none"> <li>○ Clean the vicinity of plants by weeding and loosen up the soil.</li> <li>○ Remove slips and use it as a new planting material.</li> <li>○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect.</li> <li>○ Weeding and intercultural operation.</li> </ul>
Cucurbits	Vegetation stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation</li> </ul>



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Altitude-635MSL

### District: Kolasib

			mound near the base.
Okra	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding near the plant</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> <li>✓ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Wilt-	<ul style="list-style-type: none"> <li>○ Crop rotation with chillies, tomato etc.</li> <li>○ Treatment of seed with 3 g of captan or thiram per kg before sowing.</li> </ul>
		Yellow vein mosaic-	<ul style="list-style-type: none"> <li>○ Spray 560 ml of Malathion 50 EC in 350 litre of water per acre for the control of vector.</li> </ul>
		Pest: Worm-	<ul style="list-style-type: none"> <li>○ Spray 150 ml malathion 50 litres of water acre.</li> </ul>
		Spider mite-	<ul style="list-style-type: none"> <li>○ Spray 250 ml of metasystox 25 EC in 125 litres of water</li> </ul>
Brinjal	Vegetation stage		<ul style="list-style-type: none"> <li>❖ Weeding near the plant</li> <li>❖ Fertilizer application in split dose of recommended dose.</li> <li>❖ Draining of excess water and preparation mound near the base.</li> </ul>
		Disease: Damping off-	<ul style="list-style-type: none"> <li>○ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.</li> </ul>
		Pest: Mites and hoppers-	<ul style="list-style-type: none"> <li>○ Sulfur fungicides can be used to control this pest.</li> </ul>
Cowpea	Vegetative stage		<ul style="list-style-type: none"> <li>✚ Trilling into bower structure.</li> <li>✚ Fertilizer application in split dose of recommended dose.</li> <li>✚ Weeding near the plant</li> <li>✚ Draining of excess water and preparation mound near the base.</li> </ul>
		Scab and leaf blight disease	<ul style="list-style-type: none"> <li>✓ Use of resistant varieties.</li> </ul>
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> <li>✓ Weeding in turmeric and ginger field</li> <li>✓ Gap filling</li> </ul>
		Leaf spot	<ul style="list-style-type: none"> <li>○ Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given fortnightly intervals.</li> <li>○ Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>
Maize	Flowering stage		<ul style="list-style-type: none"> <li>✓ Weeding in maize plot</li> <li>✓ Topdressing with urea fertilizer.</li> </ul>
		Disease:	<ul style="list-style-type: none"> <li>- Used of resistant varieties.</li> </ul>



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		<b>Stewart`s bacterial wilt.</b>	<ul style="list-style-type: none"> <li>- Field sanitation.</li> <li>- Crop rotation with leguminous crop.</li> </ul>
		<b>Pest: Corn earworm</b>	<ul style="list-style-type: none"> <li>- If earworm damage occurs, clipp off the tip of the ear and any affected kernels. The rest of the should be fine to eat.</li> </ul>
<b>Rice</b>	<b>Maximum Seedling stage</b>		<ul style="list-style-type: none"> <li>✓ One hand weed will require.</li> <li>✓ Application of split dose of Urea.</li> </ul>
		<b>Rice Stem borer</b>	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.
<b>Pig</b>	<b>Ages</b>	<b>Porcine Reproductive Respiratory Syndrome (PRRS).</b>	1. Culling of positive pigs or piglets.
		<b>Swine fever.</b>	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
<b>Cattle</b>	<b>Ages</b>	<b>Foot and Mouth Disease (FMD)</b>	<ul style="list-style-type: none"> <li>• FMD vaccine at 16 week and repeat every 6 month.</li> </ul>
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<b>Poultry</b>	<b>Ages</b>	<b>Ranikhet Disease.</b>	<ul style="list-style-type: none"> <li>• F1 vaccine at 0 days and R<sub>2</sub>B vaccine for adult birds.</li> </ul>
		<b>Coccidiosis</b>	1. Amprolium or coccidiostat