



**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: Lawngtalai

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	0	5	3	4
Max Temp (°C)	30	30	29	30	32
Min Temp (°C)	20	21	22	21	21
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	99	99	98
Min RH (%)	68	67	83	81	77
Wind Speed (Kmph)	2	2	4	4	4
Wind Direction	Easterly	Southerly	Easterly	Easterly	Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtalai- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 2014.**

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 29-32^oC and 20-22^oC. Maximum relative humidity is expected in the range of 98-99% and minimum may from 67-83%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Moderate cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 12.0mm

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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
Rice	Flowering Stage		<ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
		Rice Stem borer	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Leaf blast	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
	Adult stage	Swine fever.	1. Culling of positive pigs or piglets.
Cattle	All age group	Foot and Mouth Disease (FMD)	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
	Early stage	Coccidiosis	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
			1. Amprolium or coccidiostat



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District: Kolasib

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	0	5	28	0
Max Temp (oC)	32	31	32	32	31
Min Temp (oC)	21	21	22	22	22
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	99	99	99	99
Min RH (%)	65	68	61	64	76
Wind Speed (Kmph)	2	2	2	2	2
Wind Direction	North-easterly	Easterly	Easterly	Easterly	Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtal- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

Weather summary of the past three days		Weather forecast valid from 03 rd September, 2014 To 07 th September, 2014.	
The temperature range for maximum and minimum were 29.3-30.4 ^o C and 22.9-23.4 ^o C respectively. Mainly Cloudy weather was observed. Wind direction is southwesterly. Maximum RH observed 76-85% & minimum of 28-38%. Rainfall recorded for the past three days is 52.2 mm.		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 31-32 ^o C and 21-22 ^o C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 61-76%. Wind direction would be North-Easterly with the wind speed of 2 km per hour. Dense cloudy sky weather will prevail during the next five days.	
		Weekly cumulative rainfall:065.0mm	
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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
Rice	Flowering Stage		<ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
		Rice Stem borer	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Leaf blast	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
	Adult stage	Swine fever.	1. Culling of positive pigs or piglets.
Cattle	All age group	Foot and Mouth Disease (FMD)	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
	Early stage	Coccidiosis	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
			1. Amprolium or coccidiostat



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District: Chhimtuipui

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	0	7	4	5
Max Temp (°C)	30	30	29	30	32
Min Temp (°C)	18	20	21	20	20
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	67	65	86	84	78
Wind Speed (Kmph)	0	0	2	2	4
Wind Direction	North-Easterly	Southerly	Easterly	Easterly	Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
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**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 2014.**

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 29-32^oC and 18-21^oC. Maximum relative humidity is expected in the range of 100% and minimum may from 65-86%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Dense cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 16.0mm

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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
Rice	Flowering Stage		<ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
		Rice Stem borer	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Leaf blast	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
	Adult stage	Swine fever.	1. Culling of positive pigs or piglets.
Cattle	All age group	Foot and Mouth Disease (FMD)	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
	Early stage	Coccidiosis	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
			1. Amprolium or coccidiostat



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District: Champhai

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	4	6	12	39	8
Max Temp (°C)	31	31	30	30	30
Min Temp (°C)	19	20	21	20	20
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	99	100	99
Min RH (%)	66	67	76	76	66
Wind Speed (Kmph)	2	2	2	2	3
Wind Direction	Easterly	South-westerly	Easterly	North-easterly	South-easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtal- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 2014.**

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 30-31°C and 19-21°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 66-76%. Wind direction would be southwesterly with the wind speed of 2-3 km per hour. Dense cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 69.0mm

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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			<p>shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.</p> <ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage	KOLASIB	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
		Leaf blast	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). <ul style="list-style-type: none"> ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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District: Aizawl

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	3	7	37	6
Max Temp (°C)	31	31	31	31	31
Min Temp (°C)	19	20	21	21	20
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	99
Min RH (%)	66	69	68	70	72
Wind Speed (Kmph)	2	2	2	2	2
Wind Direction	North-easterly	Easterly	North-easterly	North-easterly	Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtal- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 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 31⁰C and 19-21⁰C. Maximum relative humidity is expected in the range of 100% and minimum may from 68-72%. Wind direction would be southwesterly with the wind speed of 2 km per hour. Moderate cloud cover will prevail during the next five days.

Weekly cumulative rainfall: 53.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	<ul style="list-style-type: none"> Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.



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			<ul style="list-style-type: none"> • For canker, spray streptomycin 2g + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			<p>shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.</p> <ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage	KOLASIB	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
		Leaf blast	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). <ul style="list-style-type: none"> ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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**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: Serchhip

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	0	3	13	9
Max Temp (°C)	31	31	29	30	33
Min Temp (°C)	18	20	20	20	19
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	66	65	88	85	55
Wind Speed (Kmph)	0	2	2	2	4
Wind Direction	North-easterly	North-westerly	North-easterly	North-easterly	Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtal- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 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 29-33°C and 18-20°C. Maximum relative humidity is expected in the range of 100% and minimum may from 55-88%. Wind direction would be north-easterly with the wind speed of 2-4 km per hour. dense cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 25.0mm

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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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Mizoram Centre, Kolasib- 796081, MIZORAM
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			<p>shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.</p> <ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage	KOLASIB	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
		Leaf blast	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). <ul style="list-style-type: none"> ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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Mizoram Centre, Kolasib- 796081, MIZORAM
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District: Mamit

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	0	3	20	3
Max Temp (oC)	32	32	32	31	31
Min Temp (oC)	21	22	22	22	22
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	99	100	100	99
Min RH (%)	65	68	67	71	73
Wind Speed (Kmph)	2	2	2	2	2
Wind Direction	Easterly	South-easterly	Easterly	North-Easterly	Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtal- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 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 31-32^oC and 21-22^oC. Maximum relative humidity is expected in the range of 99-100% and minimum may from 65-73%. Wind direction would be southeasterly with the wind speed of 2 km per hour. Desne cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 26.0mm

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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			<p>shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.</p> <ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
Rice	Flowering Stage	KOLASIB	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Rice Stem borer	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
		Leaf blast	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). <ul style="list-style-type: none"> ❖ Primary vaccination 6 month or above ❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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District: Lunglei

Period: 3-7 September, 2014

Bulletin No: -446/2014/ Bulletin/English

Dated: 2nd September, 2014

Parameters	03-09-2014	04-09-2014	05-09-2014	06-09-2014	07-09-2014
Rainfall (mm)	0	0	0	4	7
Max Temp (°C)	31	31	30	30	33
Min Temp (°C)	19	21	21	21	20
Cloud Coverage	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	65	65	85	82	60
Wind Speed (Kmph)	2	2	2	3	4
Wind Direction	Easterly	Westerly	North-Easterly	North-Easterly	North-Easterly

STATUS OF MONSOON- August 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 372.1mm (19.16)	Champhai- 329.7mm (-28.00)	Mamit-376.0 mm (-20.69)	Aizawl-378.0mm (7.33)
Serchhip- 166.7 mm (-32.04)	Lawngtal- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

**Weather forecast valid from 03rd September, 2014 To 07th
September, 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 30-33^oC and 19-21^oC. Maximum relative humidity is expected in the range of 100% and minimum may from 60-85%. Wind direction would be easterly and westerly with the wind speed of 2-4 km per hour. Dense cloudy sky weather will prevail during the next five days.

Weekly cumulative rainfall: 11.0mm

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 + copperoxychloride 8 g /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. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	MAMIT AIZAWL CHAMPHAI 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	Vegetative stage		<ul style="list-style-type: none"> ✚ Nursery raising for offseason cucurbits.
		Damping off LUNGLEI	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Vegetative stage	LAWNGTLAI SAIHA	<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.



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		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. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	<ul style="list-style-type: none"> ✓ Use of resistant varieties.
Early Cole crop	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Raised bed, nursery bed solarisation. ✚ Bed should be 1m width and conventional length. ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Line sowing of seeds (7-10cm)
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	<ul style="list-style-type: none"> ✓ Application of carbofuran 3G @100g/m² in nursery is quite effective.
Ginger & Turmeric	Vegetation stage		<ul style="list-style-type: none"> ✓ Weeding in turmeric and ginger field.
		Leaf spot and leaf blotch	<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.
		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. - Crop rotation with leguminous crop.
		Birds	<ul style="list-style-type: none"> - Reflecting tape poly propylene metallic



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			shine tape and the other silver that reflects sunlight causing flashing effect is effective in scaring birds.
Rice	Flowering Stage		<ul style="list-style-type: none"> - Automatic acetylene exploders or birds scaring gun that produce periodically loud noise have been suggested.
		Rice Stem borer	<ul style="list-style-type: none"> ✓ One hand weed will require. ✓ Application of split dose of Urea.
		Gundhi bug	<ul style="list-style-type: none"> ▪ Destroy egg masses. ▪ Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Leaf blast	<ul style="list-style-type: none"> ▪ Spray monocrotophos 36 WSC @ 1.5 ml/lt or endosulfan 35 EC @ 1.5 ml/ml ▪ Insecticide application should be done if the population reaches ETL of 1 nymph or adult/ hill.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul style="list-style-type: none"> ▪ Judicious application of nitrogenous fertilizer. ▪ Spraying with triclozole (Beam) @0.5gm/lt or edifenphos @ 1ml/lt when first symptom are notice.
	Adult stage	Swine fever.	1. Culling of positive pigs or piglets.
Cattle	All age group	Foot and Mouth Disease (FMD)	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
	Young stage	Black Quarter (BQ)	<ul style="list-style-type: none"> • FMD vaccine at 16 week and repeat every 6 month.
Poultry	Adult stage	Ranikhet Disease.	<ul style="list-style-type: none"> • Black Quarter Vaccine (BQV). ❖ Primary vaccination 6 month or above ❖ Revaccination annually
	Early stage	Coccidiosis	<ul style="list-style-type: none"> • F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.
			1. Amprolium or coccidiostat



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