



**INTEGRATED AGROMET ADVISORY
SERVICE**
ICAR RESEARCH COMPLEX FOR NEH REGION
Mizoram Centre, Kolasib- 796081, MIZORAM
(Prepared based on District wise Weather Forecast received from IMD,
Guwahati)



District: Kolasib

Period: 29, October-02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 29th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	28	28	28	28	28
Min Temp (°C)	12	11	10	9	9
Cloud Coverage	Clear sky	Clear sky	Partially cloudy	Mainly cloudy	Clear sky
Max RH (%)	97	98	98	97	97
Min RH (%)	50	45	43	40	40
Wind Speed (Kmph)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)	Lawngtalia- 365.4 mm (-64.68)	Lunglei- 371.4 mm (-16.55)	Chhimtuipui- 367.8 mm (-32.04)

**Weather summary of the past
three days**

The temperature range for maximum and minimum were 28.6-30.0°C and 19.2-20.0°C respectively. Dense cloudy sky was observed. Wind direction is easterly. Maximum RH observed 48-65% & minimum of 20-32%. Rainfall recorded for the past three days is **02.4 mm**.

**Weather forecast valid from 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 28°C and 9-12°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 40-50%. Wind direction would be easterly with the wind speed of 4 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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			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: Lawntalai

Period: 29, October-02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 28th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	28	28	28	29
Min Temp (°C)	16	13	11	10	10
Cloud Coverage	Mainly clear	Mainly clear	Partially clear	Mainly cloudy	Clear sky
Max RH (%)	91	98	97	97	97
Min RH (%)	71	47	40	35	33
Wind Speed (Kmph)	6	5	6	6	6
*Wind Direction	E	N-E	E	E	E

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

STATUS OF MONSOON- 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)	Lawngtalia- 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 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-29°C and 10-16°C. Maximum relative humidity is expected in the range of 91-98% and minimum may from 33-71%. Wind direction would be northeasterly with the wind speed of 5-6 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
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		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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)
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		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.
Rice	Flowering Stage		<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



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			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/lit or edifenphos @ 1ml/lit 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.
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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.
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District: Lunglei

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Guwahati)*



			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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Guwahati)



			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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Guwahati)*



			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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			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/ltr or edifenphos @ 1ml/ltr 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: Mamit

Period: 29, October-02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 28th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	28	28	28	28
Min Temp (°C)	13	11	10	10	10
Cloud Coverage	Clear sky	Clear sky	Partially clean	Mainly clean	Clear sky
Max RH (%)	98	98	98	98	99
Min RH (%)	60	50	47	44	44
Wind Speed (Kmph)	4	4	4	4	3
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)	Lawngtalia- 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 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 26-28^oC and 10-13^oC. Maximum relative humidity is expected in the range of 98-99% and minimum may from 44-60%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	<ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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			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: Serchhip

Period: 29, October-02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 28th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	23	28	28	28	28
Min Temp (°C)	13	10	8	7	7
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	75	37	30	26	26
Wind Speed (Kmph)	6	4	6	5	6
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)	Lawngtalia- 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 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-28⁰C and 7-13⁰C. Maximum relative humidity is expected in the range of 100% and minimum may from 26-75%. Wind direction would be easterly with the wind speed of 5-6 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	<ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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			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: 29, October-02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 28th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	28	28	28	28
Min Temp (°C)	11	10	8	7	8
Cloud Coverage	Mainly clear	Clear sky	Partially clear	Mainly clear	Clear sky
Max RH (%)	99	99	99	99	99
Min RH (%)	58	45	41	38	39
Wind Speed (Kmph)	4	4	4	4	3
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)	Lawngtalia- 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 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-28⁰C and 7-11⁰C. Maximum relative humidity is expected in the range of 99% and minimum may from 38-58%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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			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: Champhai

Period: 29 October -02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 28th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	22	27	27	27	28
Min Temp (°C)	11	9	8	8	8
Cloud Coverage	Mainly clear	Mainly clear	Partially clear	Mainly clear	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	72	43	38	35	35
Wind Speed (Kmph)	4	3	4	3	3
*Wind Direction	S-E	S	S	S	S-E

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

STATUS OF MONSOON- 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)	Lawngtalia- 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 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 22-28⁰C and 8-11⁰C. Maximum relative humidity is expected in the range of 100% and minimum may from 35-72%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	<ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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			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: Chhimtuipui

Period: 29, October-02, November, 2014

Bulletin No: -462/2014/ Bulletin/English

Dated: 28th October, 2014

Parameters	29-10-2014	30-10-2014	31-10-2014	01-11-2014	02-11-2014
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	28	28	28	29
Min Temp (°C)	15	11	9	8	8
Cloud Coverage	Mainly clear	Mainly clear	Partially clear	Partially clear	Clear sky
Max RH (%)	92	100	99	99	99
Min RH (%)	69	42	33	28	26
Wind Speed (Kmph)	6	4	6	6	6
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)	Lawngtalia- 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 29th October, 2014 To 02nd
November, 2014.**

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-29⁰C and 8-15⁰C. Maximum relative humidity is expected in the range of 92-100% and minimum may from 26-69%. Wind direction would be easterly with the wind speed of 4-6 km per hour. Light cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	<ul style="list-style-type: none"> • Prune the diseased and dead twigs. • Wound dressing with Bordeaux paste and



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			mulch with dry grass to conserve moisture and suppress the growth of weed. • For canker, spray streptomycin 2g + copperoxychloride 8 g /10 lt of water. • Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB MAMIT AIZAWL	<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	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	LUNGLEI	<ul style="list-style-type: none"> ✚ The seedling should be transplant at 2 leaf stage. ✚ Distance should be (50X 70 cm) ✚ In case of dry spell use supplementary irrigation. ✚ FYM application @400gm/pit along with recommended fertilizer dose 100:50:50 kg/ha
		Damping off and Blight LAWI SAIHA	<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



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			at 10-15 DAS are effective.
Brinjal	Fruiting stage		<ul style="list-style-type: none"> ❖ Weeding near the plant ❖ Fertilizer application in split dose of recommended dose. ❖ Draining of excess water and preparation mound near the base.
		Disease: Damping off-	✓ Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	✓ Sulfur fungicides can be used to control this pest.
Cowpea	Fruiting stage		<ul style="list-style-type: none"> ✚ Trilling into bower structure. ✚ Weeding near the plant ✚ Draining of excess water and preparation mound near the base.
		Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Land preparation	<ul style="list-style-type: none"> ✓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✚ Plough the field 3-4 times. ✚ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✚ Application of FYM (1.5-2.0 kg/ m²) ✚ Fertilizer application 180:50:50 kg/ha.
		Damping off	<ul style="list-style-type: none"> ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ² in nursery is quite effective.
Mustard and toria	Sowing		✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking.



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			<ul style="list-style-type: none"> ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Pea	Sowing	KOLASIB	<ul style="list-style-type: none"> ✓ Seed should be sown in rows 30 cm apart by drill or pora. The seed should be placed at 2 to 3 cm depth. In case the moisture in the soil is insufficient, the seed may be mixed with moist soil and kept overnight for soaking. ✓ Full amount of phosphorus and potash and half amount of nitrogen should be applied at the time of sowing
Tomato	Nursery stage	Land preparation	<ul style="list-style-type: none"> ✓ Nursery preparation for tomato. <ul style="list-style-type: none"> ✚ 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.
		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.
Rice	Flowering Stage		<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



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