

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: 14 - 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

Parameters	14.01.2015	15.01.2015	16.01.2015	17.01.2015	18.01.2015
Rainfall (mm)	0	MAIO COLD	0	0	0
Max Temp (oC)	24	24	25	25	26
Min Temp (oC)	2	<u>.</u> 8	3	4	5
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	97	97	95	94	94
Min RH (%)	33	34	35	31	31
Wind Speed (KmpH)	6	6	6	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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm) (0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm) (0.00mm)

Weather summary of the past three days

The temperature range for maximum and minimum were 19.3-26.2°C and 7.1-12.2°C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 59-64% & minimum of 20-31%. Rainfall recorded for the past three days is **00.0mm**.

Main Cron/

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26°C and 2-8°C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 31-35%. Wind direction would be easterly with the wind speed of 4-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Agricultural / Horticultural/ animal

Animal /Fisheries	Stage	Pest/ Diseases	husbandry advisories
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLANSAIHA	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

Cultural practices/

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Stage



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			• Excess water removes from the base of the plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place.
			✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	1	1.	✓ Provide irrigation to the base of the plant.
	1	W)	✓ Fertilizer application in split dose of
	>		recommended dose.
	1	5 6	✓ Harvest fruits when the flower tips of the
	TT		fruit dehiscent.
Pineapple	Vegetative stage	(o Clean the vicinity of plants by weeding and
	/ MAMIT	1	loosen up the soil.
	3	& AIZAVIL 10	o Remove slips and use it as a new planting material.
		7	
	(3	o Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to
	4		protect against soil borne disease and
) &		insect.
))		 Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
			60 cm diameter and 30-45cm depth are
			made at a spacing of 2.0-2.5x 2.0-2.5 m,
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber
		anatta eraami	respectively. Well rotten FYM should be
	7	22	applied in pits and filled with top soil up to
		() ()	3/4th height and 2-3 seeds will be sown in
	<u>i</u>		each pit.
		100 6	In case of chow-chow, fruit are planted
		1 63 8	with broad end downwards, 2/3rd portion
		Y	below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/
		LAWNGTI ALS	initiate
		Damping off and	
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		Diigiit	(Apron)/ kg seed
			(1-pron)/ ng sood

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			 Provide irrigation to the plant.
)	Disease:	 Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
			disease.
	1	Pest:	 Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
_	5	AIZAWL C	Weeding near the plant.
		C MICHAIL	♣ Draining of excess water and preparation
	1)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
_	3.7	L	in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V	Weeding near the plant.
	<u></u>	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		. 0	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	/	LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
		5-50 (O) 5-5-1	captan or 3 copper oxychloride/ lt of water
	1	000	at 10-15 DAS are effective.
	-	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	(C)	Weeding in the toria plot.
toria	8 8		o Provide irrigation in the field.
) ~)	Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAND	✓ Weeding in the pea plot.
	8 8	∫ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		1	Imidachloprid 1.5ml/lt of water.
		D (1

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			❖ Fertilizer application in split dose of
			recommended dose.
	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ 3	 Provide irrigation to the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
)	(44)	✓ Drenching 1% Bordeaux mixture or 2 g
	ς	2 1	captan or 3 copper oxychloride/ lt of water
	<u> </u>	The second second	at 10-15 DAS are effective.
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	5	AIZAWL C	intervals.
		A Linearity	o Spraying of Blitox @ 3 g/l of water was
			Toulid effective against leaf spot.
Rice	Harvesting stage	1 2	✓ Harvest rice crop
		1 3 1	✓ Cut residue 20 cm from the base.
	1 0		✓ Open the furrow with the help of furrow
	13		opener.
		SERCHHI	✓ Place FYM and fertilizer.
			✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
	4	Reproductive	
		Respiratory	7
		Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
G 44		T 111 (2)	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	FMD vaccine at 16 week and repeat every 6
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
		1 63 4	❖ Primary vaccination 6 month or above
		Y	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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LAWNGTLAL

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District: Lawngtalai Period: 14 - 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

Parameters	14.01.2015	15.01.2015	16.01.2015	17.01.2015	18.01.2015
Rainfall (mm)	0	MAIL O. CID	0	0	0
Max Temp (oC)	25	25	25	26	25
Min Temp (oC)	6	J. 7	6	6	4
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	94	94	94	94	92
Min RH (%)	31	37	33	31	31
Wind Speed (KmpH)	7	7	6	6	5
*Wind Direction	N-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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Champhai- 0.00 mm Mamit-0.00 mm Aizawl-0.00 mm

(0.00mm) (0.00mm) (0.00mm)

(0.00mm) (0.00mm)

Lunglei-0.00mm Chhimtuipui-0.00mm

Serchhip-0.00mm Lawngtalia-0.00mm (0.00mm)

Lunglei-0.00mm (0.00mm)

(0.00mm)

Weather summary of the past three days Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 4-7°C. Maximum relative humidity is expected in the range of 92-94% and minimum may from 31-37%. Wind direction would be northeasterly with the wind speed of 5-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

		The control of the co		
Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories	
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. 	

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			• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB	 ✓ Remove water sucker, keep 1 or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to 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	SERCHHI	 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. Provide irrigation to the plant.
Cucurbits	Vegetative stage	LUNGLEI	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/initiate
		Damping off and A Blight	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		A 222	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	- 1	1.	❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		5500 L	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant
	1		♣ Draining of excess water and preparation
)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	1.1		in card formation stage.
		SERCHHI	Provide irrigation to the plant.
		V	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3	and vertically	captan or 3 copper oxychloride/ lt of water
	2 7	60	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1		in nursery is quite effective.
Mustard and	Flowering stage	190	Weeding in the toria plot.
toria			o Provide irrigation in the field.
			o Top dressing with urea if available or apply
		1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		F SAIHA	✓ Provide irrigation in the field.
		Aph id	o In case of aphid infestation apply
		Carl I	Imidachloprid 1.5ml/lt of water.
		The state of the s	

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			* Fertilizer application in split dose of
		for the same	recommended dose.
	- 7	/	 Provide irrigation to the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1,		(Apron)/ kg seed
	1	WAY	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	<u> </u>	7 0 10 10	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	5	blotch	water or Bavistin @ 1g/litre of water, 2-3
	J' MAMIT	1	sprayings should be given forthnightly intervals.
	3	(AIZAVIL)	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage	5	✓ Harvest rice crop
THE	That vesting stage	120	✓ Cut residue 20 cm from the base.
) 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
	1	Value	✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
	A 1 1/4	Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
Cattle	All aga graun	Foot and Mouth	months and yearly interval/6 month interval
Cattle	All age group	Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	
	1 oung stage	Diack Quarter (DQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above
		1 -1 7	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
1 oditi y	Time suge	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	J		1

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LAWNGTLAL

SAIHA

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Max Temp (oC)	25	24	25	25	24
Min Temp (oC)	4	<u>5</u>	4	5	2
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	98	98	97	96
Min RH (%)	28	33	31	27	26
Wind Speed (KmpH)	6	6	6	5	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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm) (0.00mm)

(0.00mm) (0.00mm)

Serchhip-0.00mm Serchhip-0.00mm

Serchhip-0.00mm Serchhip-0.00mm (0.00mm)

(0.00mm)

Serchhip-0.00mm (0.00mm)

Weather summary of the past three days Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 2-5°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 26-33%. Wind direction would be easterly with the wind speed of 3-6 km per hour. Clear sky will prevail during the next five days.

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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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			• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB	 ✓ Remove water sucker, keep 1 or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to 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	SERCHHI	 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. Provide irrigation to the plant.
Cucurbits	Vegetative stage	LUNGLEI	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/initiate
		Damping off and A Blight	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		A 222	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	- 1	1.	❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		5500 L	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant
	1		♣ Draining of excess water and preparation
)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	1.1		in card formation stage.
		SERCHHI	Provide irrigation to the plant.
		V	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3	and vertically	captan or 3 copper oxychloride/ lt of water
	2 7	60	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1		in nursery is quite effective.
Mustard and	Flowering stage	190	Weeding in the toria plot.
toria			o Provide irrigation in the field.
			o Top dressing with urea if available or apply
		1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		F SAIHA	✓ Provide irrigation in the field.
		Aph id	o In case of aphid infestation apply
		Carl I	Imidachloprid 1.5ml/lt of water.
		The state of the s	

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Tomato	Vegetative stage	Land preparation	 Weeding near the plant
	8	1. /	• Fertilizer application in split dose of
		The state of the s	recommended dose.
	()	/	 Provide irrigation to the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
)	(A/S)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
		T. 0	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	Summer	blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	/ MAMIT	1	intervals.
	3	(AIZAVIL)	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		1 585	✓ Cut residue 20 cm from the base.
	1 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Addit stage	Swine level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			 Primary vaccination 6 month or above
			* Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAV	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Mamit Period: 14 - 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

Parameters	14.01.2015	15.01.2015	16.01.2015	17.01.2015	18.01.2015
Rainfall (mm)	0	VAIO CIT	0	0	0
Max Temp (oC)	25	25	25	25	24
Min Temp (oC)	6	6	6	5	2
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	97	96	96	95	94
Min RH (%)	37	38	38	36	33
Wind Speed (KmpH)	6	6	6	4	2
*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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm) (0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm) (0.00mm) (0.00mm)

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 2-6°C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 33-38%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal	(1	Pest/ Diseases	husbandry advisories
/Fisheries	5		
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAN	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture
		SAIHA	and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
			copperoxycholoride 8 g /10 lt of water.

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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			• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB	 ✓ Remove water sucker, keep 1 or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Provide irrigation to 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	SERCHHI	 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. Provide irrigation to the plant.
Cucurbits	Vegetative stage	LUNGLEI	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/initiate
		Damping off and A Blight	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		A 222	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	❖ Weeding near the plant
	1		❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	- 1	1.	❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		5500 L	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant
	1	A contract of	♣ Draining of excess water and preparation
)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	1.1		in card formation stage.
		SERCHHI	Provide irrigation to the plant.
		V	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3		captan or 3 copper oxychloride/ lt of water
		000	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	1900	Weeding in the toria plot.
toria			o Provide irrigation in the field.
			o Top dressing with urea if available or apply
		1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		F SAIHA	✓ Provide irrigation in the field.
		Aph id	o In case of aphid infestation apply
		Carl I	Imidachloprid 1.5ml/lt of water.
		The state of the s	

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Tomato	Vegetative stage	Land preparation				
			❖ Fertilizer application in split dose of			
		A CONTRACTOR	recommended dose.			
	7.7	1	 Provide irrigation to the plant. 			
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or			
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g			
	- t		(Apron)/ kg seed			
)	(A)	✓ Drenching 1% Bordeaux mixture or 2 g			
	5	2 1	captan or 3 copper oxychloride/ lt of water			
	<i>(</i> -	Version L	at 10-15 DAS are effective.			
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of			
		blotch	water or Bavistin @ 1g/litre of water, 2-3			
	7 MAMIT	1	sprayings should be given forthnightly			
	5	AIZAWL C	intervals.			
		A	o Spraying of Blitox @ 3 g/l of water was			
			Toutiu effective against leaf spot.			
Rice	Harvesting stage	3 86	✓ Harvest rice crop			
	\ \ \	1 3 15	✓ Cut residue 20 cm from the base.			
			✓ Open the furrow with the help of furrow			
	1.2	00000000	opener.			
		SERCHHI	Place FYM and fertilizer.			
D: a	All stores	Porcine	✓ Place the seed and cover by soil.1. Culling of positive pigs or piglets.			
Pig	All stages	Reproductive	1. Culling of positive pigs of piglets.			
		Respiratory				
		Syndrome (PRRS).				
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2			
	riddit Stage	Dwine icver.	months and yearly interval/6 month interval			
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6			
	in age group	Disease (FMD)	month.			
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).			
	Tours suge	(❖ Primary vaccination 6 month or above			
		1 2	Revaccination annually			
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B			
		LAWNGTLAL	vaccine for adult birds.			
	Early stage	Coccidiosis	Amprolium or coccidiostat			
	zazy suge	COCCIONIO				

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SAIHA

LAWNGTLAL

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Serchhip Period: 14 - 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

Parameters	14.01.2015	15.01.2015	16.01.2015	17.01.2015	18.01.2015
Rainfall (mm)	0	MAI O CID	0	0	0
Max Temp (oC)	24	23	24	24	24
Min Temp (oC)	3	4	2	3	0
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	22	30	27	21	21
Wind Speed (KmpH)	6	6	6	4	2
*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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm)

(0.00mm)

Kolasib- 0.00 mm (0.00mm)

Serchhip-0.00mm (0.00mm)

Serchhip-0.00mm

Serchhip-0.00mm (0.00mm)

Serchhip-0.00mm (0.00mm)

Weather summary of the past three days

(0.00mm) (0.00mm) (0.00mm) (0.00mm) Weather forecast valid from 14th January, 2015 To 18th

January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-24°C and 0-4°C. Maximum relative humidity is expected in the range of 100% and minimum may from 21-27%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Clear 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 LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			• Excess water removes from the base of the plant.
Banana	Vegetative/		Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place. ✓ Remove sword sucker and use it as new planting material.
	(KOLASIB	✓ Provide irrigation in the base.
	1	W (✓ Fertilizer application in split dose of recommended dose.
	}		✓ Harvest fruits when the flower tips of the
	10		fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAWL	o Remove slips and use it as a new planting material.
		5	o Sucker dipping treatment with Bavistin @
	1	3	3g + Chloropyriphos @ 1 g/lt of water to
	\ \ \	1 3 5	protect against soil borne disease and insect.
	1 5		Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
	4		60 cm diameter and 30-45cm depth are
	1	1/2	made at a spacing of 2.0-2.5x 2.0-2.5 m,
		COLORS TO	2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber
	7	LUNGLEI	respectively. Well rotten FYM should be
	1		applied in pits and filled with top soil up to
	4	0 / ~	3/4th height and 2-3 seeds will be sown in
	1	3/	each pit.
		901	In case of chow-chow, fruit are planted
		1 63 9	with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m.
		Y	Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed or
		- Blight	Trichoderma viride 4g+ metalaxyl 4g
		12 1	(Apron)/ kg seed

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		A TOTAL STATE OF THE PARTY OF T	at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	 Weeding near the plant
			❖ Fertilizer application in split dose of
	25	KOLASIB	recommended dose.
		l	 Provide irrigation if require.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		7 5	disease.
		Pest:	Sulfur fungicides can be used to control
	D 44 1 14 14 14 14	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	4	Trilling into bower structure.
	7	ANZAWL C	Weeding near the plant
			♣ Draining of excess water and preparation
		Cook and loof blight	mound near the base.
	1	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	12		in card formation stage.
		SERCHHI	3
		Market Services	• Weeding near the plant.
		Damping off	Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	1		captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		Mustaru sawiiy	in nursery is quite effective.
Mustard and	Flowering stage		• Weeding in the toria plot.
toria	Flowering stage		o Provide irrigation in the field.
toria		1 55 7	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAU	✓ Weeding in the pea plot.
	= 10 411118 × 1008	/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
		200	.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant				
			❖ Fertilizer application in split dose of				
			recommended dose.				
	7.7	7	 Provide irrigation in the plant. 				
	1 1	Damping off ✓ Seed treatment with thiram 3g/kg seed or					
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g				
	1		(Apron)/ kg seed				
	1	W/2	✓ Drenching 1% Bordeaux mixture or 2 g				
	5		captan or 3 copper oxychloride/ lt of water				
	1	T 0	at 10-15 DAS are effective.				
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of				
	Sunan	blotch	water or Bavistin @ 1g/litre of water, 2-3				
) MAMIT	1	sprayings should be given forthnightly intervals.				
	1	(AIZAVVL)	o Spraying of Blitox @ 3 g/l of water was				
		7	found effective against leaf spot.				
Rice	Harvesting stage		✓ Harvest rice crop				
Tuce	That vesting stage		✓ Cut residue 20 cm from the base.				
) 6		✓ Open the furrow with the help of furrow				
))		opener.				
		SERCHHI	✓ Place FYM and fertilizer.				
	1	V~\	✓ Place the seed and cover by soil.				
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.				
		Reproductive	(1)				
		Respiratory	7				
	/	Syndrome (PRRS).	1/2				
	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	• FMD vaccine at 16 week and repeat every 6				
		Disease (FMD)	month.				
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).				
		1 5 9	Primary vaccination 6 month or above				
D. 14	A 1 1/ /	D. 11. (D.	Revaccination annually				
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B				
	The sales of the co	HELLINGS	vaccine for adult birds.				
	Early stage	Coccidiosis	Amprolium or coccidiostat				

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLAL

SAIHA

5 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Aizawl Period: 14 - 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

Parameters	14.01.2015	15.01.2015	16.01.2015	17.01.2015	18.01.2015
Rainfall (mm)	0	MAIO CID	0	0	0
Max Temp (oC)	24	24	24	24	23
Min Temp (oC)	4	4	3	3	0
Cloud Coverage	Mainly Clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	98	98	97	97
Min RH (%)	32	34	34	30	30
Wind Speed (KmpH)	6	6	6	4	2
*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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm (0.00mm) (0.00mm)

(0.00mm) (0.00mm) (0.00mm) (0.00mm) Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm

(0.00mm) (0.00mm) (0.00mm)

Weather summary of the past three days Weather forecast valid from 14th January, 2015 To 18th January, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-24°C and 0-4°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 30-34%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Clear 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 LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			• Excess water removes from the base of the plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	KOLASIB	single place. ✓ Remove sword sucker and use it as new planting material.
	4	NOLKOID C	✓ Provide irrigation to the base.
	ζ	21/	✓ Fertilizer application in split dose of recommended dose.
	1	8 5	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAVIL)	Remove slips and use it as a new planting material.
	\	{	o Sucker dipping treatment with Bavistin @
	1	1 50	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
	15		insect.Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	V (-)	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are
	1		made at a spacing of 2.0-2.5x 2.0-2.5 m,
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber
	3	LUNGLEI	respectively. Well rotten FYM should be
	1	~	applied in pits and filled with top soil up to
	-	α (~	3/4th height and 2-3 seeds will be sown in
	11		each pit. In case of chow-chow, fruit are planted
		775	with broad end downwards, 2/3rd portion
		7 7	below soil at a spacing of 3.5 x 2.0 m.
		L. AMAZOTT ALS	Polythene nursery raising can be done/initiate
		Damping off and (A	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
D		100	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	♦ Weeding near the plant
		T	❖ Fertilizer application in split dose of
		KOLASIB \	recommended dose.
		D'	❖ Provide irrigation in the plant.
	7	Disease:	o Seed treatment with captan, thiram or
	>	Damping off-	chlorothalonil will effectively control this
	4	7 5	disease.
		Pest:	Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	7	AIZAVIL C	Weeding near the plant
			♣ Draining of excess water and preparation
			mound near the base.
	4	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vogototivo stago	Card formation stage	Application of Nitraganaus fartilizar uras
Early Cole Crop	Vegetative stage	Caru for mation stage	Application of Nitrogenous fertilizer urea in card formation stage.
		SERCHHI	→ Provide irrigation to the plant.
		ST. SERCHINI	Weeding near the plant.
	-	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		Damping on	Trichoderma viride 4g+ metalaxyl 4g
	J.		(Apron)/ kg seed
		0.0000451500	Drenching 1% Bordeaux mixture or 2 g
		LUNGLEI	captan or 3 copper oxychloride/ lt of water
	1		at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	5-11	Wiustalu sawiiy	in nursery is quite effective.
Mustard and	Flowering stage	(A) (A)	• Weeding in the toria plot.
toria	i io wei mig stage	3 1 1 1	o Provide irrigation in the field.
VVIII.		1 -1	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
_ ***	· · · · · · · · · · · · · · · · ·	F SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		The state of the s	Imidachloprid 1.5ml/lt of water.
		n) n (The state of the s

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Tomato	Vegetative stage	Land preparation	 Weeding near the plant
	8	1. /	• Fertilizer application in split dose of
		The state of the s	recommended dose.
	()	/	 Provide irrigation to the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
)	(4/5)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
		T. 0	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	Summer	blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	/ MAMIT	1	intervals.
	3	(AIZAVIL)	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		1 585	✓ Cut residue 20 cm from the base.
	1 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Addit stage	Swine level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	age ga au	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			 Primary vaccination 6 month or above
			* Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAV	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLAL

SAIHA

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Parameters Rainfall (mm)

GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Champhai Period: 14 - 18, January, 2015

15.01.2015

0

Bulletin No: -483/2015/ Bulletin/English

14.01.2015

0

16.01.2015 17.01.2015 18.01.2015 0 0 0 23 23 23

Date of issue: 13th January, 2015

Max Temp (oC) 23 23 Min Temp (oC) 3 3 3 2 0 Mainly clear **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Max RH (%) 99 99 99 99 99 Min RH (%) 29 34 33 28 28 Wind Speed (KmpH) 5 5 4 4 3 *Wind Direction 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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm)(0.00mm)(0.00mm)

(0.00mm)

Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)

Serchhip-0.00mm (0.00mm) Serchhip-0.00mm (0.00mm)

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th **January**, 2015.

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°C and 0-30C. Maximum relative humidity is expected in the range of 99% and minimum may from 28-34%. Wind direction would be southeasterly with the wind speed of 3-5 km per hour. Clear sky will prevail during

the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal	1	Pest/ Diseases	husbandry advisories
/Fisheries	5		
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAL	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.
		1 2 1 5	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			• Excess water removes from the base of plant.	tiic
Banana	Vegetative/ harvesting		✓ Remove water sucker, keep 1 or 2 plants single place.	in a
	nai vesting	KOLASIB	✓ Remove sword sucker and use it as planting material.	new
	4	KULHOID	✓ Provide irrigation in the base.	- C
	ζ	7	Fertilizer application in split dose recommended dose.	
	{	5 4	✓ Harvest fruits when the flower tips of fruit dehiscent.	the
Pineapple V	egetative stage		o Clean the vicinity of plants by weeding loosen up the soil.	and
	{	AIZAWL C	o Remove slips and use it as a new plan	ting
			material. o Sucker dipping treatment with Bavistin	n @
	1		3g + Chloropyriphos @ 1 g/lt of wate protect against soil borne disease	
	} (insect.	ana
		SERCHHI	Weeding and intercultural operation.Provide irrigation to the plant.	
Cucurbits V	egetative stage	V	Land is ploughed to a fine tilth and pit	
	7		60 cm diameter and 30-45cm depth made at a spacing of 2.0-2.5x 2.0-2.5	
		0.0000000000000000000000000000000000000	2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m pumpkin, bottle gourd cucun	
	3	LUNGLEI	respectively. Well rotten FYM should	
	1	2	applied in pits and filled with top soil u	-
	-	A l	3/4th height and 2-3 seeds will be sow each pit.	11 111
	9	1 2	In case of chow-chow, fruit are plan	
		((3)	with broad end downwards, 2/3rd por below soil at a spacing of 3.5 x 2.0 m.	tion
		Y	Polythene nursery raising can be do	one/
		LAWNGTLAL	initiate	
		Damping off and IA Blight	✓ Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4g	or
		Diigiit	(Apron)/ kg seed	

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
D ' ' ' 1	E 41		at 10-15 DAS are effective.
Brinjal	Fruiting stage	J 8	 Weeding near the plant Fortilizer application in aplit does of
		V	Fertilizer application in split dose of recommended dose.
		KOLASIB	
		Disease:	* Provide irrigation in the field.
	1		 Seed treatment with captan, thiram or chlorothalonil will effectively control this
	7	Damping off-	disease.
		Pest:	
			o Sulfur fungicides can be used to control
Correso	Emilia didelele	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	\	Trilling into bower structure. Weeding a conthe plant
	3	& AIZAVIL C	Weeding near the plant
			Draining of excess water and preparation mound near the base.
		Cook and loof blight	
	4	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	❖ Application of Nitrogenous fertilizer urea
_			in card formation stage.
		SERCHHI	❖ Provide irrigation in the plant.
		V	❖ Weeding near the plant.
	The state of the s	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1	LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	/	THE CONTRACTOR OF THE CONTRACT	captan or 3 copper oxychloride/ lt of water
		Co.	at 10-15 DAS are effective.
	A	Mustard sawfly	Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	9 0	• Weeding in the toria plot.
toria			o Provide irrigation in the field.
		1 2	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		f	Imidachloprid 1.5ml/lt of water.
		CALL TO ST	W

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
			recommended dose.
	7 /	7	 Provide irrigation in the plant.
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
	1	(APC)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	1	T - 64 11 6	at 10-15 DAS are effective.
		Leaf spot an <mark>d lea</mark> f blotch	o Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3
	} MAMIT	Dioteir	sprayings should be given forthnightly
	2	A STATE OF THE STA	intervals
	3	A AZAWL C	o Spraying of Blitox @ 3 g/l of water was
	\		found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		1 383	✓ Cut residue 20 cm from the base.
	1		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1-0
		Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Adult stage	Swine level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	in age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	2 0 ming 5 mg 0	8 () - () - () - () - ()	❖ Primary vaccination 6 month or above
		1 2	❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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District: Chhimtuipui Period: 14 - 18, January, 2015

Bulletin No: -483/2015/ Bulletin/English

Date of issue: 13th January, 2015

Parameters	14.01.2015	15.01.2015	16.01.2015	17.01.2015	18.01.2015
Rainfall (mm)	0	wai 0 cm	0	0	0
Max Temp (oC)	25	24	25	26	25
Min Temp (oC)	4	5	3	4	1
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99	99	99	99	99
Min RH (%)	25	32	26	25	26
Wind Speed (KmpH)	7	7	6	4	4
*Wind Direction	S 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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm

(0.00mm) (0.00mm) (0.00mm)

Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm

(0.00mm) (0.00mm) (0.00mm) (0.00mm)

Weather summary of the past Weather forecast valid from 14th January, 2015 To 18th

Weather summary of the past three days

Weather forecast valid from 14th January, 2015 To 18th

January, 2015.

There is no chance of light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 1-5°C. Maximum relative humidity is expected in the range of 99% and minimum may from 25-32%. Wind direction would be easterly with the wind speed of 4-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal		Pest/ Diseases	husbandry advisories
/Fisheries	5		
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAN	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.
			• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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			• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting		✓ Remove water sucker, keep 1 or 2 plants in a single place.
	nai vesting	KOLASIB	✓ Remove sword sucker and use it as new planting material.
	5	La 5	✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of
	}	£4 (recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAVIL	o Remove slips and use it as a new planting material.
	1		o Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to
	10	7 1	protect against soil borne disease and insect.
		SERCHHI	Weeding and intercultural operation.Provide irrigation to the plant.
Cucurbits	Vegetative stage	~~	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be
	(~ E~	applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in
		D()	each pit.
		275	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		LAWNGTLAL	below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/initiate
		Damping off and	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		A 222	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	- 1	1.	❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		5500 L	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant
	1	A contract of	♣ Draining of excess water and preparation
)	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	1.1		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3	and vertically	captan or 3 copper oxychloride/ lt of water
	2 7	60	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1		in nursery is quite effective.
Mustard and	Flowering stage	190	Weeding in the toria plot.
toria			o Provide irrigation to the field.
			o Top dressing with urea if available or apply
		1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding to the pea plot.
		F SAIHA	✓ Provide irrigation in the field.
		Aph id	o In case of aphid infestation apply
		Carl I	Imidachloprid 1.5ml/lt of water.
		The state of the s	

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
	8	1. /	• Fertilizer application in split dose of
		The state of the s	recommended dose.
	()	/	 Provide irrigation in the plant.
) \-2	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
)	(A/S)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	1	T. 0	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	Summer	blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	/ MAMIT	1	intervals.
	3	(AIZAVIL)	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		1 585	✓ Cut residue 20 cm from the base.
	1 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	1	Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Addit stage	Swine level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	age gas a	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			 Primary vaccination 6 month or above
			* Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAV	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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