

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period: 7 – 11, January, 2015

District: Kolasib

Bulletin No: -481/2	2015/ Bulletin/E	nglish	Date of	issue: 6th Janu	iary, 2015
Parameters	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Rainfall (mm)	0	KOI0 SID	0	0	0
Max Temp (oC)	23	24	23	23	24
Min Temp (oC)	8	8	8	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	- 97	95	92	94
Min RH (%)	44	39	37	40	39
Wind Speed (KmpH)	3	4	3	6	6
*Wind Direction	E	E	S	E	E
STATUS OF MONSO Kolasib- 0.00 mm (0.00mm Serchhip-0.00mm (0.00mm	m Kolasib- n) m Serchhip	, 2014 (<i>Percent of a</i> 0.00 mm (0.00 mm)		nal in parenthesis) nm Kolas nm) nm Serch	ib- 0.00 mm (0.00mm) hip-0.00mm (0.00mm)
Weather summary of the past three daysWeather forecast valid from 07th January, 2015 To January, 2015.The temperature range for maximum and minimum were 20.1-22.3°C and 7.2-10.8°C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 59-68% & minimum of 18-28%. Rainfall recorded for the past three days isThere is no chance of rainfall during the next 5 day. The maxim minimum may from 37-44%. Wind direction would be easter the wind speed of 3-6 km per hour. Clear sky will prevail dur next five days.Weekly cumulative rainfall: 00.0 mm				The maximum ar ge for 23-24 ⁰ C ar range of 92-98 Id be easterly wi prevail during th	
Main Crop/	Stage	Cultural practi		ultural / Horticul	
Animal /Fisheries	Suge	Pest/ Diseases	0	husbandry advi	
Khasi V Mandarin	Vegetative stage	LAWNGTLAL	Wound mulch v and sup • For ca	ne diseased and de dressing with B with dry grass to press the growth o nker, spray stre oxycholoride 8 g /1	ordeaux paste ar conserve moistur f weed. optomycin 2g

1 | P a g e



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		0	• Excess water removes from the base of the
			plant.
Banana	Vegetative/	1	✓ Remove water sucker, keep 1or 2 plants in
	harvesting	1 5	single place.
			\checkmark Remove sword sucker and use it as ne
		KOLASIB	planting material.
		1.	\checkmark Provide irrigation to the base of the plant.
	1	WS ()	\checkmark Fertilizer application in split dose of
	5	2 1	recommended dose.
	1	5 6 1	\checkmark Harvest fruits when the flower tips of the
		5 51	fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	/ MAMIT	1 2	loosen up the soil.
	5	AIZAVIL C	• Remove slips and use it as a new planting
		A COMPANY OF THE REAL OF	material.
		1	• Sucker dipping treatment with Bavistin (
	1	3 8 6	3g + Chloropyriphos @ 1 g/lt of water
		1 12	protect against soil borne disease ar
	1.0	~ /	insect.
	12		• Weeding and intercultural operation.
~		SERCHHI	0 1
Cucurbits	Vegetative stage	No log	Land is ploughed to a fine tilth and pits of
	1	<u> </u>	60 cm diameter and 30-45cm depth a
			made at a spacing of 2.0-2.5x 2.0-2.5 r
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
		LUNGLEI	pumpkin, bottle gourd cucumbe
	1		respectively. Well rotten FYM should be
	()	5	applied in pits and filled with top soil up
	- 1	A Ver	3/4th height and 2-3 seeds will be sown
		P V	each pit. In case of chow-chow, fruit are plante
		127 6 1	with broad end downwards, 2/3rd portio
		A LA Y	below soil at a spacing of 3.5 x 2.0 m.
		A A A	 Polythene nursery raising can be don
		LAWNGTLAL	initiate
		Damping off and	\checkmark Seed treatment with thiram 3g/kg seed or
		Blight	- Trichoderma viride 4g+ metalaxyl 4g
		8	(Apron)/ kg seed



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1			
		<u> </u>	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
	F		at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 2	 Weeding near the plant
5		2	♦ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	NOLASIB	 Provide irrigation to the plant.
		Disease:	• Seed treatment with captan, thiram or
	6	Damping off-	chlorothalonil will effectively control this
	2		disease.
		Pest:	• Sulfur fungicides can be used to control
	J.	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	whites and hoppers	 Trilling into bower structure.
Compea	Trutung stage	1	 Weeding near the plant.
	1	AIZAWL C	 Draining of excess water and preparation
		e l	mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	· Ose of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	 Application of Nitrogenous fertilizer urea
Luriy Cole crop	, egetative stage	Curu Iorination Stage	in card formation stage.
		SERCHHI	
		W-T	 Weeding near the plant.
		Damping off	\checkmark Seed treatment with thiram 3g/kg seed or
	1	Dumping on	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1	1111 (mail mail	 Drenching 1% Bordeaux mixture or 2 g
	2	LUNGLEI	captan or 3 copper oxychloride/ It of water
	1		at 10-15 DAS are effective.
	4	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	(G A)	• Weeding in the toria plot.
toria		R ISS	• Provide irrigation in the field.
		1 ~ 1	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	\checkmark Weeding in the pea plot.
	0 0	/ SAIHA	\checkmark Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		Const I I	Imidachloprid 1.5ml/lt of water.
		PN S	
		N N M	3 P a g e



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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
			recommended dose.
	17	1 3	 Provide irrigation to the plant.
	1 1-2	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1	1	(Apron)/ kg seed
		Why is a start	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	C.C.	blotch	water or Bavistin @ 1g/litre of water, 2-
	7 MAMIT	1 2	sprayings should be given forthnightl
	S	A AIZAVIL TO	intervals.
		A COMPANY OF A	• Spraying of Blitox @ 3 g/l of water wa
		1	found effective against leaf spot.
Rice	Harvesting stage	3 20	✓ Harvest rice crop
		1 22	\checkmark Cut residue 20 cm from the base.
	1		\checkmark Open the furrow with the help of furrow
	12		opener.
		SERCHHI	✓ Place FYM and fertilizer.
D' -	A 11 - 4	Buring	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	116	Reproductive	
		Respiratory Syndrome (PRRS).	2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
	Auun stage	Swille level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	 FMD vaccine at 16 week and repeat every
Calle	An age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	
	I oung stage	Diack Quarter (DQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above
		1 W Y	 Primary vaccination of month of above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂
i outti y	Aunt stage	LAWNGTLAL	• F1 vaccine at (1-6) days of birth and R_2 , vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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LAWNGTLAL SAIHA

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Period: 7 - 11, January, 2015

District: Lawngtalai

Bulletin No: -48	1/2015/ Bulletin/	English	Date of	issue: 6th Janu	1ary, 2015
Parameters	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Rainfall (mm)	0	KOI O SID	0	0	0
Max Temp (oC)	24	24	24	23	23
Min Temp (oC)	8	8	8	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	93	- 98	98	94	93
Min RH (%)	67	50	51	46	31
Wind Speed (Km)	pH) 4	3	4	6	6
*Wind Direction	S.E.	E	N-E	Е	Е
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 mmChamphai- 0.00 mm(0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mmLawngtalia-0.00mmLawngtalia-0.00mmLunglei-0.00mm					(0.00mm) (0.00mm) (0.00mm) (0.00mm) , 2015 To 11 th The maximum and ge for 23-24 ⁰ C and e range of 93-98% and be northeasterly will prevail during m
Main Crop/ Animal /Fisheries	Stage	Cultural pract Pest/ Disease	0	ultural / Horticul husbandry adv	
Khasi Mandarin	Vegetative stage	Canker	Wound mulch and sup For ca	with dry grass to press the growth o	ordeaux paste and conserve moisture of weed. coptomycin 2g +



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		0	• Excess water removes from the base of the
			plant.
Banana	Vegetative/	1	\checkmark Remove water sucker, keep 1or 2 plants in
	harvesting	1 3	single place.
	1 1-2	5	\checkmark Remove sword sucker and use it as neg
		KOLASIB	planting material.
	1	1	\checkmark Provide irrigation to the base of the plant.
		WA DO	✓ Fertilizer application in split dose of
	S	2 1 1	recommended dose.
	()		\checkmark Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage	1	• Clean the vicinity of plants by weeding an
	7 MAMIT	1 2	loosen up the soil.
	5	LAIZAWL C	• Remove slips and use it as a new plantir
		Conservation 1	material.
			• Sucker dipping treatment with Bavistin
	1	1 8 6	3g + Chloropyriphos @ 1 g/lt of water
		1 12	protect against soil borne disease ar
	1	~ 1	insect.
	12		• Weeding and intercultural operation.
~	100	SERCHHI	0 1
Cucurbits	Vegetative stage	No Con	Land is ploughed to a fine tilth and pits of
	1		60 cm diameter and 30-45cm depth and
			made at a spacing of 2.0-2.5x 2.0-2.5 r
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m fo
		LUNGLEI	pumpkin, bottle gourd cucumber recepcitively. Well rotten EVM should be
	1		respectively. Well rotten FYM should be
		5~	applied in pits and filled with top soil up 3/4th height and 2-3 seeds will be sown
		$\Lambda = \Lambda^{-1}$	each pit.
		P V	In case of chow-chow, fruit are planted
		1751	with broad end downwards, 2/3rd portio
		1 45 4	below soil at a spacing of 3.5 x 2.0 m.
		1 1	4 Polythene nursery raising can be don
		LAWNGTLAN	initiate
		Damping off and A	\checkmark Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed



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1			
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		5	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	 Weeding near the plant
	1 1.5	5	✤ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	de la companya de la		 Provide irrigation to the plant.
)	Disease:	• Seed treatment with captan, thiram or
	()	Damping off-	chlorothalonil will effectively control this
	1		disease.
	12	Pest:	• Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
-	5	Lawrence de	Weeding near the plant
	- S	AIZAWL C	4 Draining of excess water and preparation
		5	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
			in card formation stage.
	F-	SERCHHI	
		Value	• Weeding near the plant.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
	1	LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	>	Second Collection 1	captan or 3 copper oxychloride/ lt of water
	1	-	at 10-15 DAS are effective.
	5	Mustard sawfly	\checkmark Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	(A A)	• Weeding in the toria plot.
toria	0 0	$\langle \rangle$	• Provide irrigation in the field.
		1 ~ 1	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAL	✓ Weeding in the pea plot.
	2 3	/ SAIHA	\checkmark Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		Sec. 1	Imidachloprid 1.5ml/lt of water.
		PA S	м
		N L	3 P a g e

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
		for second	recommended dose.
	51	1 3	 Provide irrigation to the plant.
	1 10	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1	1.	(Apron)/ kg seed
	1	45	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
		5 4	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	S	blotch	water or Bavistin @ 1g/litre of water, 2-3
	J MAMIT		sprayings should be given forthnightly
	2	L'AIZAVIL TO	intervals.
			• Spraying of Blitox @ 3 g/l of water was
D '	TT (•) (1	found effective against leaf spot.
Rice	Harvesting stage	1 66	✓ Harvest rice crop
		1 1 1	✓ Cut residue 20 cm from the base.
	1 A. V		✓ Open the furrow with the help of furrow
	1	SERCHH	opener. ✓ Place FYM and fertilizer.
		(management	 Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
1 1g	All stages	Reproductive	1. Curing of positive pigs of pigiets.
		Respiratory	
		Syndrome (PRRS).	8
	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
	8 8 I	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	8		 Primary vaccination 6 month or above
		1 1]	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R_2B
v	0	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	v O		~
		1211	~~



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LAWNGTLAL SAIHA



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Period: 7 – 11, January, 2015

District: Lunglei

Bulletin No: -481	/2015/ Bulletin/E	nglish	Date of	issue: 6th Janu	uary, 2015
Parameters	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Rainfall (mm)	0	KOI 0 SIR	0	0	0
Max Temp (oC)	23	24	24	23	23
Min Temp (oC)	9	9	9	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	- 98	98	98	98
Min RH (%)	32	29	24	27	34
Wind Speed (Kmp		6	4	6	6
*Wind Direction	E	E	E	Ē	E
STATUS OF MON	Northerly- N, North Southerly- S, South SOON- December 1-31	-Westerly- <mark>S-W</mark> , W	/esterly- <mark>W</mark> , Nortl	n-westerly- N-W.	
Kolasib- 0.00 1			Kolasib- 0.00 n		ib- 0.00 mm
(0.00r		(0.00mm)	(0.00m		(0.00mm)
Serchhip-0.001			Serchhip-0.00n		hip-0.00mm
(0.00n		0.00mm)	(0.00m		(0.00mm)
	hary of the past days		set to be because the set of the	m 07 th January y, 2015.	, 2015 To 11 th
	2	There is a chance minimum tempera 9 ^o C. Maximum re minimum may fro wind speed of 4-6 five days.	tures for the nex stative humidity i m 24-34%. Wind km per hour. C	t 5 days may rang s expected in the direction would b	ge for 23-24 [°] C and range of 98% and the easterly with the rail during the ne
Main Crop/	Stage	Cultural practic		ultural / Horticu	
Animal /Fisheries		Pest/ Diseases	0	husbandry adv	
Khasi	Vegetative stage	Canker	• Prune th	ne diseased and de	ad twigs.
Mandarin			Wound mulch v and sup	l dressing with B with dry grass to press the growth o	ordeaux paste an conserve moistur of weed.
		121		nker, spray stre xycholoride 8 g / 1	
		N.N.	M		1 P a g e



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Guwahati)



		0	• Excess water removes from the base of the
			plant.
Banana	Vegetative/	5	✓ Remove water sucker, keep 1or 2 plants in
	harvesting	1 8	single place.
		7	\checkmark Remove sword sucker and use it as ne
		KOLASIB	planting material.
	(1.	\checkmark Provide irrigation to the base of the plant.
	1	W3 ()	✓ Fertilizer application in split dose of
	5		recommended dose.
	1		\checkmark Harvest fruits when the flower tips of the
		5 51	fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	J' MAMIT	1 2	loosen up the soil.
	5	AIZAWL TO	• Remove slips and use it as a new plantir
		Contraction of the second	material.
		1	• Sucker dipping treatment with Bavistin
	1	1 8 6	3g + Chloropyriphos @ 1 g/lt of water
			protect against soil borne disease an
	1.0	~ 1	insect.
	12		• Weeding and intercultural operation.
		SERCHHI	0 1
Cucurbits	Vegetative stage	No Log	Land is ploughed to a fine tilth and pits
	4		60 cm diameter and 30-45cm depth a
	1.1		made at a spacing of 2.0-2.5x 2.0-2.5 r
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
		LUNGLEI	pumpkin, bottle gourd cucumb
	2		respectively. Well rotten FYM should b
		2	applied in pits and filled with top soil up
	1	α $\gamma \sim$	3/4th height and 2-3 seeds will be sown
			each pit.
		19 all	In case of chow-chow, fruit are planted
		(LIN	with broad end downwards, 2/3rd portio
			below soil at a spacing of 3.5 x 2.0 m.
		A communication of the	Polythene nursery raising can be don
		LAWNGTLAL	initiate
		Damping off and IA	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		1211	(Apron)/ kg seed
		R 1 7 3	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



		<u> </u>	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 2	 Weeding near the plant
5	8 8	2	◆ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	NOLASIB	 Provide irrigation to the plant.
		Disease:	• Seed treatment with captan, thiram or
	6	Damping off-	chlorothalonil will effectively control this
	2		disease.
		Pest:	 Sulfur fungicides can be used to control
	J.	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	whites and hoppers	 Trilling into bower structure.
Compea	I I UTIME STUEC		 Weeding near the plant
	3	AIZAWL C	 Draining of excess water and preparation
		1 A	mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	· Ose of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	 Application of Nitrogenous fertilizer urea
Early Cold crop	vegetative stage	Card formation stage	in card formation stage.
	0	SERCHHI	
		w	 Weeding near the plant.
		Damping off	 Seed treatment with thiram 3g/kg seed or
	7	Damping on	Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
		UNIVERSE.	Drenching 1% Bordeaux mixture or 2 g
	1	LUNGLEI	captan or 3 copper oxychloride/ It of water
	1		at 10-15 DAS are effective.
		Mustard sawfly	 Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage		• Weeding in the toria plot.
toria	r tower mg stage	2151	 Provide irrigation in the field.
101 Ia		1 LS Y	• Top dressing with urea if available or apply
		¥ × 4	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
1 va	I would be beage	/ SAIHA	 Provide irrigation in the field.
		Aphid	• In case of aphid infestation apply
		Apina	Imidachloprid 1.5ml/lt of water.
		126	- initiatinopria 1.5 mi/it of water.
		VIN P	3 P a g e



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.
	17	1 3	 Provide irrigation to the plant.
	1 1-2	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1	1	(Apron)/ kg seed
		Way (✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	1	State 1	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-
	/ MAMIT		sprayings should be given forthnightl
	8	L'AIZAVIL TO	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
		1	found effective against leaf spot.
Rice	Harvesting stage	1 66	✓ Harvest rice crop
		1 1 2	\checkmark Cut residue 20 cm from the base.
			✓ Open the furrow with the help of furrow
	12	- Corporting	opener. ✓ Place FYM and fertilizer.
	5	SERCHHI	NO DEFENSION
Dia	All stages	Porcine	 Place the seed and cover by soil. Culling of positive pige or piclets
Pig	All stage <mark>s</mark>	Reproductive	1. Culling of positive pigs or piglets.
		Respiratory	
		Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
	Multi Stage	Swine rever.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
Cuthe	in age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	i vung stugt	Dinen Quarter (DQ)	 Primary vaccination 6 month or above
		1 45 1	 Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂
1 outry	Thur suge	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	Lary suge		

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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,

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LAWNGTLAL SAIHA



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period: 7 – 11, January, 2015

District: Mamit

Parameters Rainfall (mm) Max Temp (oC) Min Temp (oC)	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Max Temp (oC) Min Temp (oC)		KOIOLSIA	0	0	0
Min Temp (oC)	23	24	24	24	24
	9	9	9	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	- 97	96	94	96
Min RH (%)	44	7 41	40	42	42
Wind Speed (Kmpl		4	4	6	4
*Wind Direction	E	E	N-E	Ē	E
	Northerly- N, North	h-Easterly- <mark>N-E</mark> , H	Casterly- E, South	h-Easterly- <mark>S-E</mark> ,	
	Southerly- S, South				
STATUS OF MONS	SOON- December 1-31	, 2014 (Percent of	deviation from nor	nal in parenthesis)	
Kolasib- 0.00 n	nm Kolasib-	0.00 mm	Kolasib- 0.00 n	nm Kolas	ib- 0.00 mm
(0.00 n	nm) 👌	(0.00mm)	(0.00n	nm)	(0.00mm)
Serchhip-0.00r	nm Serchhip	-0.00mm	Serchhip-0.00r	nm Serch	hip-0.00mm
(0.00m	1m) 🔶 🔂	(0.00mm)	(0.00m	ım)	(0.00mm)
Weather summ	nary of the past	Weather for	ecast valid from	m 07 th January	, 2015 To 11 th
	days	SERCHHIP January, 2015.			
	}	minimum temper 9 ⁰ C. Maximum r	atures for the nex elative humidity	ng the next 5 day. t 5 days may rang is expected in the	ge for 23-24 ⁰ C an e range of 94-98%
	>		h the wind speed	44%. Wind dire of 3-6 km per ho	
	~	a 6	Weekly cumulativ	<i>e rainfall:</i> 00.0 m	m
Main Crop/	Stage	Cultural practi		cultural / Horticu	
Animal /Fisheries	Juge	Pest/ Disease	0	husbandry adv	
Khasi	Vegetative stage	Canker	Prune tl	he diseased and de	ad twigs.
Mandarin	8 8	LAWNGTLAK	• Wound mulch	l dressing with B with dry grass to press the growth c	ordeaux paste an conserve moistur
		1 2 1		nker, spray stre xycholoride 8 g /1	

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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	single place.
	1 1 1 1	✓ Remove sword sucker and use it as new
		KOLASIE planting material.
	1	\checkmark Provide irrigation to the base of the plant.
)	✓ Fertilizer application in split dose of
	()	recommended dose.
	1	\checkmark Harvest fruits when the flower tips of the
	1	fruit dehiscent.
Pineapple	Vegetative stage	• Clean the vicinity of plants by weeding and
	7 MAMIT	loosen up the soil.
	ζ	- Pomovo slips and use it as a new planting
		material.
		• Sucker dipping treatment with Bavistin @
	1 S.	3g + Chloropyriphos @ 1 g/lt of water to
	Sec. 1	protect against soil borne disease and
		insect.
	1 1	• Weeding and intercultural operation.
	6	SERCHHIPO Provide irrigation to the plant.
Cucurbits	Vegetative stage	Land is ploughed to a fine tilth and pits of
Cucuints	, egetative stage	60 cm diameter and 30-45cm depth are
	7	made at a spacing of 2.0-2.5x 2.0-2.5 m
	1	2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		numphin hottle gound augumber
		respectively. Well rotten FYM should be
	1	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
		LAWNGTLAL
		Damping off and Ⅰ ✓ Seed treatment with thiram 3g/kg seed or
		Blight - Trichoderma viride 4g+ metalaxyl 4g
		(Apron)/ kg seed
		(rpron)/ Kg boou
		2 Page

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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)



1			
		0	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
	[5	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	 Weeding near the plant
		6	✤ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1 de	1	 Provide irrigation to the plant.
		Disease:	• Seed treatment with captan, thiram or
	(Damping off-	chlorothalonil will effectively control this
	(disease.
		Pest:	• Sulfur fungicides can be used to control
	1	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
-	5	AIZAWL C	Weeding near the plant
		Culenne 1.	4 Draining of excess water and preparation
		5	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
	12		in card formation stage.
	6	SERCHHI	Provide irrigation to the plant.
		Mr. Las	✤ Weeding near the plant.
	5	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
		LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	2	and the believes to	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
	5	Mustard sawfly	\checkmark Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	1 7 al	• Weeding in the toria plot.
toria			• Provide irrigation in the field.
		1 20 1	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAV	\checkmark Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid (1997)	o In case of aphid infestation apply
		See 1	Midachloprid 1.5ml/lt of water.
		5 N 3	
			3 P a g e



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
		Sector Sector	recommended dose.
	5.1	1 3	 Provide irrigation to the plant.
	1 100	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4	1.	(Apron)/ kg seed
	1	~~)	\checkmark Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	-		at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	STRADUT	blotch	water or Bavistin @ 1g/litre of water, 2-3
	J' MAMIT	N	sprayings should be given forthnightly intervals.
	20	(AIZAWIL)	• Spraying of Blitox @ 3 g/l of water was
		1	found effective against leaf spot.
Rice	Harvesting stage	5	✓ Harvest rice crop
Mee	Hui vesting stage	1 545	\checkmark Cut residue 20 cm from the base.
) 6	~ 1 ~	\checkmark Open the furrow with the help of furrow
	3.5		opener.
		SERCHH	✓ Place FYM and fertilizer.
		Val	\checkmark Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	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
			months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	NZ	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV).
		I LI Y	 Primary vaccination 6 month or above A Bayaccination appually
Poultry	Adult stage	Ranikhet Disease.	 Revaccination annually F1 vaccine at (1-6) days of birth and R₂B
i outti y	Aunt stage	LAWNGTLAL	• F1 vaccine at (1-6) days of birth and R_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	Daily stage		
		1	~

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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,

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LAWNGTLAL SAIHA



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period: 7 – 11, January, 2015

District: Serchhip

Bulletin No: -481,	2015/ Bulletin/H	English	Date of	f issue: 6th Janu	1ary, 2015
Parameters	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Rainfall (mm)	0	KOI 9 SIR	0	0	0
Max Temp (oC)	23	24	23-	23	23
Min Temp (oC)	8	8	8	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	28	24	19	24	31
Wind Speed (KmpI		6	4	6	6
*Wind Direction	E	E	E	E	E
	Northerly- N, North	h-Easterly- <mark>N-E</mark> , E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	
	Southerly- S, South				
STATUS OF MONS	OON- December 1-31	l, 2014 (Percent of a	leviation from nor	mal in parenthesis)	
Kolasib- 0.00 n	nm Kolasib-	0.00 mm	Kolasib- 0.00 r	nm Kolas	ib- 0.00 mm
(0.00n	1m) 👔	(0.00mm)	(0.00r		(0.00mm)
Serchhip-0.00n	n <mark>m Serch</mark> hip	-0.00mm	Serchhip-0.001	mm Serch	hip-0.00mm
(0.00m	i m) 🚶 🛌	(0.00mm) (0.00mm) (0.00mm)			
Weather summ	ary of the past	Weather for	ecast valid fro	m 07 th January	, 2015 To 11 th
three		SERCHHIP January, 2015.			
	Z	minimum tempera 8°C. Maximum re minimum may fro	tures for the nex lative humidity i m 19-31%. Wind	ng the next 5 day. at 5 days may rang s expected in the r d direction would b Clear sky will prev	ge for 23-24 [°] C and cange of 100% and be easterly with the
	5	α §	Veekly cumulativ	<i>e rainfall:</i> 00.0 m	m
Main Crop/ Animal /Fisheries	Stage	Cultural practi Pest/Disease	0	cultural / Horticul husbandry adv	
Khasi	Vegetative stage	Canker	• Prune t	he diseased and de	ad twigs.
Mandarin	0 0	LAWNGTLAU	Wound mulch and sup	d dressing with B with dry grass to opress the growth o	ordeaux paste ar conserve moistu of weed.
			• For ca coppere	anker, spray stre oxycholoride 8 g /1	eoptomycin 2g 10 lt of water.
			1.57 1.1		



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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
D	X <i>I</i>	plant.
Banana	Vegetative/	✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	single place.
		✓ Remove sword sucker and use it as nev
		KOLASIB planting material.
	4	Provide irrigation in the base.
	1	✓ Fertilizer application in split dose o
	S	recommended dose.
		✓ Harvest fruits when the flower tips of the
		fruit dehiscent.
Pineapple	Vegetative stage	• Clean the vicinity of plants by weeding and
	? MAMIT	loosen up the soil.
	ζ	• Remove slips and use it as a new planting
	N	material.
		• Sucker dipping treatment with Bavistin @
	1	3g + Chloropyriphos @ 1 g/lt of water to
	1	protect against soil borne disease and
		insect.
	A 5	• Weeding and intercultural operation.
	0	SERCHHIPO Provide irrigation in the plant.
Cucurbits	Vegetative stage	Land is ploughed to a fine tilth and pits o
Cucuibits	vegetative stage	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 fo
		numphin battle gound augumba
		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
		LAWNGTLAL initiate
		Damping off and \checkmark Seed treatment with thiram 3g/kg seed or
		Blight Trichoderma viride 4g+ metalaxyl 4g
		(Apron)/ kg seed
		R I D
		2 P a g e



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
		Sector Sector	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 2	 Weeding near the plant
U		2	◆ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	I NULROID	 Provide irrigation if require.
		Disease:	• Seed treatment with captan, thiram or
	(Damping off-	chlorothalonil will effectively control this
	1		disease.
	1	Pest:	• Sulfur fungicides can be used to control
	and the second sec	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
· · F - · ·)	 Weeding near the plant
	2	AIZAWIL C	4 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
J			in card formation stage.
	5	SERCHHI	
		W L	 Weeding near the plant.
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
		LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	2	LUNGLEI	captan or 3 copper oxychloride/ It of water
	5 Q		at 10-15 DAS are effective.
	4	Mustard sawfly	\checkmark Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	(yal	• Weeding in the toria plot.
toria	0 0	K I S S	• Provide irrigation in the field.
		5 ~ 3	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAV	✓ Weeding in the pea plot.
	6 5	/ SAIHA	\checkmark Provide irrigation in the field.
		Aphid	• In case of aphid infestation apply
		I and I	Imidachloprid 1.5ml/lt of water.
		2015	
			3 P a g e



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
		Section 1	recommended dose.
	11	1 3	 Provide irrigation in the plant.
	1 12	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
		1. 0	(Apron)/ kg seed
)	645 D	✓ Drenching 1% Bordeaux mixture or 2 g
	S		captan or 3 copper oxychloride/ lt of water
	1		at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	\$	blotch	water or Bavistin @ 1g/litre of water, 2-
	7 MAMIT	1	sprayings should be given forthnightl
	2	LAIZAVIL IC	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
D!	TT	1	found effective against leaf spot.
Rice	Harvesting stage	1 66	 ✓ Harvest rice crop ✓ Cut residue 20 cm from the base.
	1	A AN	
	A 17		✓ Open the furrow with the help of furrow opener.
	0	SERCHHI	✓ Place FYM and fertilizer.
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\checkmark$ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
115	in stages	Reproductive	1. Curring of positive pigs of piglets.
	1	Respiratory	
		Syndrome (PRRS).	S
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
			months and yearly interval/6 month interva
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	00		<ul> <li>Primary vaccination 6 month or above</li> </ul>
			<ul> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂
v	0	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	· · ·		



ICAR RESEARCH COMPLEX FOR NEH REGION

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Guwahati)



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LAWNGTLAL SAIHA



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**Period:** 7 – 11, January, 2015

#### **District: Aizawl**

Parameters	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015	
Rainfall (mm)	0	KOIOLSIR	0	0	0	
Max Temp (oC)	23	23	23	22	22	
Min Temp (oC)	9	. 9	9	8	8	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	99	- 98	98	97	98	
Min RH (%)	41	37	35	38	39	
Wind Speed (Kmp		4	3	6	5	
*Wind Direction	E	E	E	E	E	
	Northerly- N, North	n-Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- S-E,		
	Southerly- S, South					
STATUS OF MON	SOON- December 1-31					
Kolasib- 0.00	nm Kolasib-	0.00 mm	Kolasib- 0.00 m	m Kolas	ib- 0.00 mm	
(0.001	nm)	(0.00mm)	(0.00m	.m)	(0.00mm)	
Serchhip-0.00	mm Serchhip	-0.00mm S	erchhip-0.00m	im Serch	hip-0.00mm	
(0.00r	am) 🔰 🔂	(0.00mm) (0.00mm) (0.00mm)				
Weather summ	nary of the past	Weather forecast valid from 07 th January, 2015 To 11 th				
	days		CHHIP Januar			
three	, uays					
	1	There is no chance				
		minimum temperatures for the next 5 days may range for 22-23°C and 8-9°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 35-41%. Wind direction would be easterly with				
		the wind speed of	3-6 km per hour	Clear sky will	prevail during th	
	5	next five days.	1			
		0	a af			
	1	X (W	eekly cumulative	rainfall: 00.0 mi	n	
Main Crop/	Stage	Cultural practic		ultural / Horticul		
	8	Pest/ Diseases	<b>U</b>	husbandry advi		
Animal		- 1- 1-200	1			
Animal /Fisheries						
/Fisheries	Vegetative stage	Canker	Prune th	e diseased and de	ad twins	
/Fisheries Khasi	Vegetative stage	Canker	Contraction of the second s	e diseased and dea	-	
/Fisheries	Vegetative stage	1	Wound	dressing with Bo	ordeaux paste ar	
/Fisheries Khasi	Vegetative stage	LAWNGTLAN	• Wound mulch w	dressing with Bo with dry grass to	ordeaux paste ar conserve moistu	
/Fisheries Khasi	Vegetative stage	LAWNGTLAN	Wound     mulch w     and supp	dressing with Bo with dry grass to press the growth o	ordeaux paste ar conserve moistu f weed.	
/Fisheries Khasi	Vegetative stage	LAWNGTLAN	Wound     mulch w     and supp     For car	dressing with Bo with dry grass to	ordeaux paste ar conserve moistu f weed. optomycin 2g	



**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/		$\checkmark$ Remove water sucker, keep 1or 2 plants in a
	harvesting	1 5	single place.
		5	$\checkmark$ Remove sword sucker and use it as new
		KOLASIB	planting material.
	4		$\checkmark$ Provide irrigation to the base.
	)	W	✓ Fertilizer application in split dose of
	<u> </u>	2 1 1	recommended dose.
	(	E	$\checkmark$ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding and
••	7 MAMIT	X X	loosen up the soil.
	6	La comana de	• Remove slips and use it as a new planting
		AIZAVVL C	material.
		5	• Sucker dipping treatment with Bavistin @
	1.1.1		3g + Chloropyriphos @ 1 g/lt of water to
	N .	1 33	protect against soil borne disease and
		~ 1 ~	insect.
	() ()		• Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	V~ L_	4 Land is ploughed to a fine tilth and pits of
		- U	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 fo
		LUNGLEI	pumpkin, bottle gourd cucumbe
	2	EQUALLET.	respectively. Well rotten FYM should be
	5.4		applied in pits and filled with top soil up to
	4	n 8~	3/4th height and 2-3 seeds will be sown in
			each pit.
	6		In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		1 55 1	below soil at a spacing of 3.5 x 2.0 m.
		1 1	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
			(Apron)/ kg seed
		PN S	
		Y Y Y	2   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



		<u> </u>	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
	F		at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 2	<ul> <li>Weeding near the plant</li> </ul>
5		2	♦ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	NOLASIB	<ul> <li>Provide irrigation in the plant.</li> </ul>
		Disease:	• Seed treatment with captan, thiram or
	6	Damping off-	chlorothalonil will effectively control this
	2		disease.
		Pest:	• Sulfur fungicides can be used to control
	J.	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	whites and hoppers	<ul> <li>Trilling into bower structure.</li> </ul>
Compea	Truting stage	\{	<ul> <li>Weeding near the plant</li> </ul>
	5	A AIZAWL C	<ul> <li>Draining of excess water and preparation</li> </ul>
		1	mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	4	disease	• Ose of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	<ul> <li>Application of Nitrogenous fertilizer urea</li> </ul>
Larry Cole crop	vegetative stage	Card for mation stage	in card formation stage.
	0	SERCHHI	
		~	<ul> <li>Weeding near the plant.</li> </ul>
		Domning off	<ul> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
	7	Damping off	
			Trichoderma viride 4g+ metalaxyl 4g
		11110 00-000	(Apron)/kg seed
		LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	1	and the second se	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
		Mustond south	
		Mustard sawfly	Application of carbofuran 3G @ 100g/m ²
Mustard		P	in nursery is quite effective.
Mustard and	Flowering stage	1225	• Weeding in the toria plot.
toria		1 Light	• Provide irrigation in the field.
		A X Y	• Top dressing with urea if available or apply
De-	Elementr - 64	LAWNGTLAL	cow dung.
Pea	Flowering Stage	SAIHA	<ul> <li>Weeding in the pea plot.</li> <li>Provide inviscoi on in the field</li> </ul>
			✓ Provide irrigation in the field.
		Aphid	• In case of aphid infestation apply
		1211	Millioprid 1.5ml/lt of water.
		5 (N) A	
		1 4	3   P a g e



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Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>
			✤ Fertilizer application in split dose of
		Sector Sector	recommended dose.
	1 1	1 3	<ul> <li>Provide irrigation to the plant.</li> </ul>
	1 12	<b>Damping off</b>	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	(		(Apron)/ kg seed
	1	W 2 2 )	✓ Drenching 1% Bordeaux mixture or 2 g
	>		captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
	-	Loof goot and loof	
		Leaf spot and leaf blotch	• Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-
	5 MAMIT	Dioteir	sprayings should be given forthnight
	2 Mathematic	And the second s	intervals.
	3	A ATZAWIL C	• Spraying of Blitox @ 3 g/l of water wa
			found effective against leaf spot.
Rice	Harvesting stage	1	✓ Harvest rice crop
		1 555	$\checkmark$ Cut residue 20 cm from the base.
		~ 1 5 ~	✓ Open the furrow with the help of furrow
	()		opener.
		SERCHH	✓ Place FYM and fertilizer.
		V	$\checkmark$ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
<u> </u>			months and yearly interval/6 month interva
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
	<b>X</b> 7	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV).
		1 LI Y	<ul> <li>Primary vaccination 6 month or above</li> <li>Developmentation approally.</li> </ul>
Doultwy	A dult stage	<b>Danikhat Disaas</b>	• Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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LAWNGTLAL SAIHA

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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:** Champhai

Bulletin No: -48	1/2015/ Bulletin/H	English	Date of	f issue: 6th Janu	uary, 2015
Parameters	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Rainfall (mm)	0	KOU QUSIE	0	0	0
Max Temp (oC)	22	22	22	22	22
Min Temp (oC)	8	8	8	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99	100	99	99	99
Min RH (%)	35	34	32	35	35
Wind Speed (Km		4	3	5	4
*Wind Direction	5	S-E	S-E	S-E	S-E
	Northerly- N, North	h-Easterly- <mark>N-E</mark> , E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	1
	Southerly- S, South	n-Westerly- <mark>S-W</mark> , W	/esterly-W, Nort	h-westerly- N-W.	
STATUS OF MON	SOON- December 1-3				
Kolasib- 0.00	mm Kolasib-	0.00 mm	Kolasib- 0.00 r	nm Kolas	sib- 0.00 mm
(0.00	mm)	(0.00mm)	(0.00r		(0.00mm)
Serchhip-0.00	mm Serchhip	-0.00mm	Serchhip-0.001	nm Serch	hip-0.00mm
(0.00)	mm) 🦙 📜 🛌	(0.00mm) (0.00mm) (0.00mm)			
Weather sum	mary of the past	Weather for	ecast valid fro	m 07 th January	, 2015 To 11 th
	e days		and the second	ry, 2015.	/
		There is no chance minimum tempera Maximum relative minimum may free with the wind spe the next five days.	tures for the next humidity is exp om 32-35%. Wi ed of 3-5 km per	t 5 days may range pected in the rang nd direction woul	e for 22 [°] C and 8 [°] C e of 99-100% and d be southeaster will prevail durin
Main Crop/	Stage	Cultural practi		cultural / Horticu	
Animal /Fisheries	Stage	Pest/ Diseases	0	husbandry adv	
Khasi	Vegetative stage	Canker	• Prune f	he diseased and de	ad twigs
Mandarin	getter stage	LAWNGTLAN	Wound mulch and sup • For ca	d dressing with B with dry grass to press the growth o anker, spray stre oxycholoride 8 g /1	ordeaux paste an conserve moistur of weed. coptomycin 2g
		2 1	coppere	Daycholofide 8 g /	to it of water.
		Y / N	P2		1   P a g e

### Period: 7 – 11, January, 2015



**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 1or 2 plants in
	harvesting	1	single place.
	1 1 2	E S	$\checkmark$ Remove sword sucker and use it as ne
		KOLASIB	planting material.
	1	1	$\checkmark$ Provide irrigation in the base.
		LA D	✓ Fertilizer application in split dose
	Q	1 1	recommended dose.
	(		$\checkmark$ Harvest fruits when the flower tips of t
	1		fruit dehiscent.
Pineapple	Vegetative stage	/	• Clean the vicinity of plants by weeding an
	2 MAMIT	1	loosen up the soil.
	C and a second	A CONTRACT NO.	• Remove slips and use it as a new planti
		( AIZAWL jo	material.
		£	• Sucker dipping treatment with Bavistin
	1	Second Second	3g + Chloropyriphos @ 1 g/lt of water
	1	1 125	protect against soil borne disease a
		~ 1 ~	insect.
	1.5	1	• Weeding and intercultural operation.
	0	SERCHHI	• Provide irrigation to the plant.
Cucurbits	Vegetative stage	12-12-12-12-12-12-12-12-12-12-12-12-12-1	Land is ploughed to a fine tilth and pits
	· · · · · · · · · · · · · · · · · · ·		60 cm diameter and 30-45cm depth a
			made at a spacing of 2.0-2.5x 2.0-2.5
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
		000005222	pumpkin, bottle gourd cucumb
		LUNGLEI	respectively. Well rotten FYM should
	1		applied in pits and filled with top soil up
		~~ ?~~	3/4th height and 2-3 seeds will be sown
		A L	each pit.
	<u></u>		In case of chow-chow, fruit are plant
		1751	with broad end downwards, 2/3rd porti
			below soil at a spacing of 3.5 x 2.0 m.
		Y Y 1	<ul> <li>Polythene nursery raising can be dor</li> </ul>
		LAWNGTLAU	initiate
		Damping off and IA	$\checkmark$ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		Birt	(Apron)/kg seed
		N N N N N N N N N N N N N N N N N N N	



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,			
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		for the second	at 10-15 DAS are effective.
Brinjal	<b>Fruiting stage</b>	1 3	<ul> <li>Weeding near the plant</li> </ul>
		5	* Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1		<ul> <li>Provide irrigation in the field.</li> </ul>
		Disease:	• Seed treatment with captan, thiram or
	(	Damping off-	chlorothalonil will effectively control this
	(		disease.
		Pest:	• Sulfur fungicides can be used to control
	and the second sec	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	N	<b>4</b> Trilling into bower structure.
•		1	✤ Weeding near the plant
		AIZAWIL C	4 Draining of excess water and preparation
		5	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	<ul> <li>Application of Nitrogenous fertilizer urea</li> </ul>
· ·			in card formation stage.
		SERCHHI	
		W L	• Weeding near the plant.
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
	1	I O	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	2	CONVICE!	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
	4	Mustard sawfly	✓ Application of carbofuran 3G @ $100g/m^2$
			in nursery is quite effective.
Mustard and	Flowering stage	( G A )	• Weeding in the toria plot.
toria	0 0		• Provide irrigation in the field.
		1 1	• Top dressing with urea if available or apply
		1 1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	$\checkmark$ Weeding in the pea plot.
	0 0	/ SAIHA	$\checkmark$ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
J.		N N S	
			3   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>
			✤ Fertilizer application in split dose of
			recommended dose.
		1 3	<ul> <li>Provide irrigation in the plant.</li> </ul>
	1 1	<b>Damping off</b>	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4	0	(Apron)/ kg seed
		WAS DO	✓ Drenching 1% Bordeaux mixture or 2 g
	S.	211	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	£	blotch	water or Bavistin @ 1g/litre of water, 2-
	7 MAMIT	1 2	sprayings should be given forthnightl
	8	LAIZAVIL IC	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
<b>D</b> '	<b>TT</b> (* )	1	found effective against leaf spot.
Rice	Harvesting stage	1 66	✓ Harvest rice crop
	1	A CN	$\checkmark$ Cut residue 20 cm from the base.
	1		✓ Open the furrow with the help of furrow opener.
	0	SERCHHI	✓ Place FYM and fertilizer.
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\checkmark$ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
116	I'll stages	Reproductive	r. Cuming of positive pigs of piglets.
	1	Respiratory	
		Syndrome (PRRS).	S
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
			months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			 Primary vaccination 6 month or above
		1 20 1	• Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R_2
•		LAWNGTLAK	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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LAWNGTLAL SAIHA



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Chhimtuipui

Bulletin No: -481/2015/ Bulletin/English

Period:	7	—	11,	January,	2015
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Date of issue: 6th January, 2015

	07.01.2015	08.01.2015	09.01.2015	10.01.2015	11.01.2015
Rainfall (mm)	0		0	0	0
Max Temp (oC)	24	24	24	23	25
Min Temp (oC)	7	N 7	7	7	7
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	- 99	99	99	99
Min RH (%)	25	21	12	15	28
Wind Speed (Kmp	H) 6	7	4	7	7
Wind Direction	E	E	E	Е	E
STATUS OF MON	Northerly- N, North Southerly- S, South SOON- December 1-31	Westerly- S-W, W , 2014 (Percent of d	esterly-W, North	n-westerly- N-W. <i>nal in parenthesis</i>)	
Kolasib- 0.00	mm Kolasib- (0.00 mm 🔰 🚺	Kolasib- 0.00 n	nm Kolas	ib- 0.00 mm
(0.00)	mm) 👌 (0.00mm)	(0.00n	ım)	(0.00mm)
Serchhip-0.00	mm Serchhip	-0.00mm	Serchhip-0.00n	nm Serch	hip-0.00mm
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	nary of the past e days		and the second	m 07 th January. y, 2015.	, 2015 To 11 th
		and minimum tem and 7 ⁰ C. Maximu 99% and minimum with the wind spec the next five days.	m relative humic n may from 12-28 ed of 4-7 km per	lity is expected in 8%. Wind direction	n the range of 9 n would be easter will prevail durin
Main Caused	<u>C</u> 4			•	
Main Crop/ Animal /Fisheries	Stage	Cultural practic Pest/Diseases		ultural / Horticul husbandry advi	
Khasi	Vegetative stage	Canker	• Prune th	ne diseased and de	ad twigs.
Mandarin		LAWNGTLAL	mulch v	dressing with B with dry grass to press the growth o	conserve moistu
				nker, spray stre	



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			• Excess water removes from the base of the
			plant.
Banana	Vegetative/	5	✓ Remove water sucker, keep 1or 2 plants in
	harvesting	1 5	single place.
		()	\checkmark Remove sword sucker and use it as ne
		KOLASIB	planting material.
		1.	✓ Provide irrigation to the base of the plant.
	1	~ ()	✓ Fertilizer application in split dose of
	5		recommended dose.
	1		\checkmark Harvest fruits when the flower tips of the
		5 5 1	fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	/ MAMIT	1 2	loosen up the soil.
	5	AIZAVIL C	• Remove slips and use it as a new planting
		A COMPANY OF THE OWNER OF	material.
		1	• Sucker dipping treatment with Bavistin
	10	1 6 6	3g + Chloropyriphos @ 1 g/lt of water
		1 1 2	protect against soil borne disease ar
	1.0	~ 1	insect.
	12		• Weeding and intercultural operation.
		SERCHHI	0 1
Cucurbits	Vegetative stage	V La	Land is ploughed to a fine tilth and pits
			60 cm diameter and 30-45cm depth at
	100	1 N	made at a spacing of 2.0-2.5x 2.0-2.5 r
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
		LUNGLEI	pumpkin, bottle gourd cucumb
	5		respectively. Well rotten FYM should b
	N.	S	applied in pits and filled with top soil up
		A V	3/4th height and 2-3 seeds will be sown
			each pit.
		1 m r l	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		N LI Y	below soil at a spacing of 3.5 x 2.0 m.
		Y I	 Polythene nursery raising can be don
		LAWNGTLAL	initiate
		Damping off and	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		Dugut	(Apron)/ kg seed



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Brinjal Fruiting stage Weeding near the plant Fertilizer application in split dose recommended dose. Provide irrigation to the plant. Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. Suffur fungicides can be used to control this pest. Scab and leaf blight disease Scab and leaf blight disease Vegetative stage Scab and leaf blight disease Seed treatment with captan, thiram or chlorothaloni stage. Provide irrigation to the plant. Weeding near the plant Draining of excess water and preparation mound near the base. Vegetative stage Card formation stage Provide irrigation to the plant. Weeding near the plant.				
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Rolessib recommended dose. Provide irrigation to the plant. Provide irrigation to the plant. Damping off- Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. Cowpea Fruiting stage Pest: Mites and hoppers- Sulfur fungicides can be used to control this pest. Sulfur fungicides can be used to control this pest. Cowpea Fruiting stage Scab and leaf blight disease Trilling into bower structure. Early Cole crop Vegetative stage Card formation stage Seed treatment with thiram 3g/kg seed or Trichoderma wirde 4g+ metalaxyl 4g (Apron)/ kg seed Damping off Seed treatment with disease at 10-15 DAS are effective. Mustard and toria Flowering stage Mustard sawfly Y Application of carbofruma 3G @ 100g/m ² in nursery is quite effective. Or provide irrigation to the field. Trichoderma virith tirea if available or applicow during in the toria plot.	v		2	•
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LUNGLEI Image: Comparison of the compa				
Mustard and toria Flowering stage <td< th=""><th></th><th>1</th><th></th><th></th></td<>		1		
Mustard and toria Flowering stage Mustard sawfly Application of carbofuran 3G @ 100g/m² in nursery is quite effective. Weeding in the toria plot. Provide irrigation to the field. Top dressing with urea if available or applicow dung. 			LUNGLEI	
Mustard and toria Flowering stage Mustard sawfly Application of carbofuran 3G @ 100g/m ² in nursery is quite effective. Mustard and toria Flowering stage • Weeding in the toria plot. • Provide irrigation to the field. • Top dressing with urea if available or application cow dung.		2		captan or 3 copper oxychloride/ lt of water
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Mustard and toria Flowering stage • Weeding in the toria plot. • Provide irrigation to the field. • Top dressing with urea if available or applicow dung.		1	Mustard sawfly	Application of carbofuran 3G @ $100g/m^2$
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toria • Provide irrigation to the field. • Top dressing with urea if available or application cow dung.	Mustard and	Flowering stage	N A	• Weeding in the toria plot.
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			1 ~ 1	• Top dressing with urea if available or apply
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r ca riuwering stage whether whether whether whether to the bea blot.	Pea	Flowering Stage	LAWNGTLAL	✓ Weeding to the pea plot.
SAIHA V Provide irrigation in the field.			J SAIHA	v i i
			Aphid	
Imidachloprid 1.5ml/lt of water.				1 11 7
			2011	
3 P a g e			VIN P	3 Page



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Rice Harvesting stage Vertexting		 Weeding near the plant 	Land preparation	Vegetative stage	Tomato
Provide irrigation in the plant. Damping off Classib Pig	split dose of	✤ Fertilizer application in split dos			
Pamping off ✓ Seed treatment with thiram 3g/ Trichoderma viride 4g+ metala (Apron)/kg seed Drenching 1% Bordeaux mixtu captan or 3 copper oxychloride at 10-15 DAS are effective. Image: Second Seco			S S		
Rice Harvesting stage -			1 3	51	
Rice Harvesting stage - (Apron)/ kg seed Rice Harvesting stage - Spraying Dithane M-45 @ 1 water or Bavistin @ 1g/litre or sprayings should be given intervals. Rice Harvesting stage - V Harvest rice crop Rice Harvesting stage - V Harvest rice crop Pig All stages Porcine Reproductive Reproductive - Place FYM and fertilizer. Pig All stages Porcine Adult stage Swine fever. 2. Vaccination of pigs with SF v. months and yearly interval/6 mother Voung stage Black Quarter (BQ) - Black Quarter Vaccine (BQV). Poultry Adult stage Ranikhet Disease. - F1 vaccine at (1-6) days of bit		\checkmark Seed treatment with thiram 3g/kg seed	Damping off	110	
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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,

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