

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 27 - 31 December, 2014

Bulletin No: -478/2014/ Bulletin/English

Date of issue: 26th December, 2014

Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	MAIL OLGIDI	0	0	0
Max Temp (oC)	25	25	26	27	26
Min Temp (oC)	3	2	2	6	12
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Mainly cloudy
Max RH (%)	99	98	98	98	95
Min RH (%)	30	25	20	33	45
Wind Speed (KmpH)	6	6	6	4	3
*Wind Direction	Englis	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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

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

Serchhip-0.00mm Lawngtalia-0.00mm

00mm Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather summary of the past	Weather forecast valid from 27 th December, 2014 To 31 st
three days	December, 2014.
No.	There is no chance of rainfall during the next 5 day. The maximum and

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 2-12°C. Maximum relative humidity is expected in the range of 95-99% and minimum may from 20-45%. Wind direction would be easterly with the wind speed of 3-6 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	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	• 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/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	KOLASIB	single place. ✓ Remove sword sucker and use it as new planting material.
	{	h3 1 5	 ✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose.
	1	5 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.
	1		 Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
	35		insect. • Weeding and intercultural operation.
Cucurbits	Vegetative stage	SERCHHI	Provide irrigation to the plant.Land is ploughed to a fine tilth and pits of
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 for
	1	LUNGLEI	pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be
	7	a P	applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit.
		(Yell	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 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 STATE OF THE STA	at 10-15 DAS are effective.
Brinjal	Fruiting stage	7	 Weeding near the plant
) A.,	5	* Fertilizer application in split dose of
		KOLASIB	recommended dose.
	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
	· E	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
	5	AIZAVIL	Weeding near the plant
		C MIEDANE 12	♣ Draining of excess water and preparation
)	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
	1)	(/	in card formation stage.
		SERCHHI	F
		Value,	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	- Heater Charles	captan or 3 copper oxychloride/ lt of water
	7 7	60	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1	2	in nursery is quite effective.
Mustard and	Flowering stage	1900	• Weeding in the toria plot.
toria		1 6 8	o Provide irrigation in the field.
		Y Y	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAV	✓ Weeding in the pea plot.
		F SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		Jan J	Imidachloprid 1.5ml/lt of water.

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
			recommended dose.
	7.7	1	 Provide irrigation to the plant.
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB _	Trichoderma viride 4g+ metalaxyl 4g
	((Apron)/ kg seed
	1	(AP-3	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	W.	T 6	at 10-15 DAS are effective.
		Leaf spot and leaf blotch	o Spraying Dithane M-45 @ 2.5g/litre of
	\$ MAMIT	DIOTCH	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	1 medium	1	intervale
	3	A AZAVIL	o Spraying of Blitox @ 3 g/l of water was
	No.		found effective against leaf spot.
Rice	Harvesting stage	(✓ Harvest rice crop
		1 585	✓ Cut residue 20 cm from the base.
) 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	P ✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	7
	A 1 14 4	Syndrome (PRRS).	2 V : (: 6 : :4 GE : 4.2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
Cattle	All age group	Foot and Mouth	months and yearly interval/6 month interval
Cattle	An age group	Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	1 builg stage	Diack Quarter (DQ)	• 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 ₂ B
1 oditi j	indiv suge	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	J		

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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	\$	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	4	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL

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Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	0	0	0	0
Max Temp (oC)	24	24	25	26	24
Min Temp (oC)	4	4	5	5	10
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly cloudy
Max RH (%)	97	96	97	97	97
Min RH (%)	40	38	38	37	49
Wind Speed (KmpH)	4	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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm

Champhai- 0.00 mm

Mamit-0.00 mm

Aizawl-0.00 mm

Serchhip-0.00mm

Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather	summary	of	the	past
	three day	S		-

Weather forecast valid from 27th December, 2014 To 31st December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26^oC and 4-10^oC. Maximum relative humidity is expected in the range of 96-97% and minimum may from 38-49%. 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

		Weekly Camatative Tathfatt. 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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			• Excess water removes from the base of the plant.
Banana	Vegetative/	1	✓ 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.
	4		✓ Provide irrigation to the base of the plant.
	7	W (a)	✓ Fertilizer application in split dose of
	>		recommended dose.
	7	5 6	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Din comple	Vacatativa atama	\	
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	2	A	o Remove slips and use it as a new planting
	3	AIZAVVL C	material.
			o Sucker dipping treatment with Bavistin @
	\\	<i>S</i>	3g + Chloropyriphos @ 1 g/lt of water to
	1	1 3/3	protect against soil borne disease and
) 6		insect.
			 Weeding and intercultural operation.
	-	SERCHHI	o Provide irrigation to the plant.
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
	4	L.	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
	V.	200	applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in
			each pit.
	<u> </u>	P \(\(\)	In case of chow-chow, fruit are planted
	[1]		with broad end downwards, 2/3rd portion
		7 7	below soil at a spacing of 3.5 x 2.0 m.
		1	Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and A	
		Blig ht	Trichoderma viride 4g+ metalaxyl 4g
		I I	(Apron)/ kg seed

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		1	✓ 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
	35.	KOLASIB	recommended dose.
			❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
	<u>}</u>	\$500 L	disease.
		Pest:	 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
		V	→ Draining of excess water and preparation
			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
	1 1	-	in card formation stage.
		SERCHHI	
		VT Lag	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Prenching 1% Bordeaux mixture or 2 g
		matte elemi.	captan or 3 copper oxychloride/ lt of water
		Co.	at 10-15 DAS are effective.
	A	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		D1 1	in nursery is quite effective.
Mustard and	Flowering stage	(5 1	• 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	LAWNGTLA	✓ Weeding in the pea plot.
		/ 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.
		A COL	I

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			❖ Fertilizer application in split dose of
		The state of	recommended dose.
	()	7	 Provide irrigation to the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	Į.		(Apron)/ kg seed
)	WA)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	1	Carried Land	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, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	5	& AIZAWL TO	intervals.
			o Spraying of Blitox @ 3 g/l of water was
		1	found effective against leaf spot.
Rice	Harvesting stage	3	✓ Harvest rice crop
			✓ Cut residue 20 cm from the base.
	1		Open the furrow with the help of furrow
		SERCHHI	opener. ✓ Place FYM and fertilizer.
		O SERCHINI	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	Culling of positive pigs or piglets.
1 Ig	All stages	Reproductive	1. Culling of positive pigs of pigiets.
	J.	Respiratory	4
		Syndrome (PRRS).	<u>S</u>
	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).
			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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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	\$	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	4	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

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/Fisheries		1 6 3	(
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. For canker, spray streoptomycin 2g +
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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.
	4	LA KOLKOID	✓ Provide irrigation in the base. ✓ Fertilizer application in split dose of
	{		recommended dose. ✓ Harvest fruits when the flower tips of the
		3 5	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.
	\	{ }	o Sucker dipping treatment with Bavistin @
	1	1 54	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
			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
	1		applied in pits and filled with top soil up to
	4	0 5~	3/4th height and 2-3 seeds will be sown in
	1	2	each pit.
		701	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		0 3 9	below soil at a spacing of 3.5 x 2.0 m.
			♣ Polythene nursery raising can be done/
		LAWNGTLAL Downing off and the	initiate ✓ Seed treatment with thiram 3g/kg seed or
		Damping off and A Blight	✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		Diigit	(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 if require.
	1		 Seed treatment with captan, thiram or chlorothalonil will effectively control this
	γ	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.
	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 if require.
		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	LAWNGTLAV	✓ 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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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
		for the second	recommended dose.
	7.7	/a	Provide irrigation in the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	+		(Apron)/ kg seed
)	(AA)	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	1	STATE OF	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, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	· {	AIZAWL 10	intervals.
			o Spraying of Blitox @ 3 g/l of water was
D'	TT (1)	- }	Touliu effective against leaf spot.
Rice	Harvesting stage	1 66	✓ Harvest rice crop✓ Cut residue 20 cm from the base.
	1		✓ Open the furrow with the help of furrow
	1.5		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		(Section 1	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	-	Respiratory	3
		Syndrome (PRRS).	4
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	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).
	3	([3]	 Primary vaccination 6 month or above
		N. Carlotte	* 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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	Ś.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

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: Aizawl Period: 27 - 31 December, 2014

Bulletin No: -478/2014/ Bulletin/English

Date of issue: 26th December, 2014

Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	WAI O CID	0	0	0
Max Temp (oC)	24	24	25	26	24
Min Temp (oC)	2	A 2	2	4	10
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly cloudy
Max RH (%)	99	98	99	98	98
Min RH (%)	35	34	31	32	45
Wind Speed (KmpH)	4	6	6	4	2
*Wind Direction	S E 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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Champhai- 0.00 mm

Mamit-0.00 mm

Aizawl-0.00 mm

Serchhip-0.00mm

Main Cuan/

Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather	summary	of the	past
	three days	5	

Weather forecast valid from 27th December, 2014 To 31st December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26^oC and 2-10^oC. Maximum relative humidity is expected in the range of 98-99% and minimum may from 31-45%. Wind direction would be easterly with the wind speed of 2-6 km per hour. Partially cloudy will prevail during the next five days.

My eekiy cumuuuive ramaii. VV.V III	Weel	kly cumulative ra	<i>ainfall:</i> 00.0 mr
-------------------------------------	------	-------------------	-------------------------

Agricultural / Harticultural / animal

Main Crop/ Animal /Fisheries	Stage	Pest/ Diseases	husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	 Prune the diseased and dead twigs. 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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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/ 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.
	}		 ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	AIZAWL	 Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
		SERCHHI	 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
		LAWNGTLAN	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 IA 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
		Jan 1999	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 in the plant.
)	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
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	()	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		C. MICHARIC	♣ Draining of excess water and preparation
)	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		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V	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
		SALES OF SALES	captan or 3 copper oxychloride/ lt 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	S A	Weeding in the toria plot.
toria	8 8		o Provide irrigation in the field.
		3 ~ 3	Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ 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 (

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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			
			recommended dose.			
	()	/	 Provide irrigation to the plant. 			
) _2	Damping off	✓ Seed treatment with thiram 3g/kg seed or			
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g			
	4	(Apron)/ kg seed				
	1	W/2	✓ 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			
	Sugar	blotch	water or Bavistin @ 1g/litre of water, 2-3			
	7 MAMIT	1	sprayings should be given forthnightly intervals.			
	3	(AIZAVVL)	o Spraying of Blitox @ 3 g/l of water was			
		7	found effective against leaf spot.			
Rice	Harvesting stage		✓ Harvest rice crop			
THE	Trui vesting stage	18	✓ Cut residue 20 cm from the base.			
) 6		✓ Open the furrow with the help of furrow			
))		opener.			
		SERCHHI	✓ Place FYM and fertilizer.			
		V~ L	✓ Place the seed and cover by soil.			
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.			
		Reproductive				
		Respiratory	7			
	A 1 1/4	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			
Cattle	An age group	Disease (FMD)	month.			
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).			
	Toung stage	Diack Quarter (DQ)	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			
2 0 0 0 0 0		LAWNGTLAN	vaccine for adult birds.			
	Early stage	Coccidiosis	Amprolium or coccidiostat			
			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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	13	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	1	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	\$	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	4	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	7

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL

SAIHA

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Phone: +91 3837 220041, Fax: +91 3837 220560,



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: 27 - 31 December, 2014

Bulletin No: -478/2014/ Bulletin/English

Date of issue: 26th December, 2014

Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	MAI OCID	0	0	0
Max Temp (oC)	23	23	24	25	23
Min Temp (oC)	2	2	2	3	9
Cloud Coverage	Clear sky	Mainly clear	// Clear sky	Clear sky	Mainly cloudy
Max RH (%)	100	100	100	99	97
Min RH (%)	33	33	27	31	42
Wind Speed (KmpH)	4	5	6	4	2
*Wind Direction	S	S	S	S-E	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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

Kolasib- 0.00 mm Champ

Champhai- 0.00 mm

Mamit-0.00 mm

Aizawl-0.00 mm

Serchhip-0.00mm

Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather summary of the	past
three days	7

Weather forecast valid from 27th December, 2014 To 31st December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-25°C and 2-9°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 27-42%. Wind direction would be southeasterly with the wind speed of 2-6 km per hour. Partially cloudy will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal	i i	Pest/ Diseases	husbandry advisories
/Fisheries	5		
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAL	Wound dressing with Bordeaux paste and
		LAWNG ILAY F SAIHA	mulch with dry grass to conserve moisture
		SAINA	and suppress the growth of weed.
			For canker, spray streoptomycin 2g +
		12 1	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/ 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 in the base.✓ Fertilizer application in split dose of
	}	54 (recommended dose. ✓ Harvest fruits when the flower tips of the
Pineapple	Vegetative stage		fruit dehiscent.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
	15		protect against soil borne disease and insect. • Weeding and intercultural operation.
	£2.	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
	1	LUNGLEI	pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be
	1	0 6	applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in
		Pha all	each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		1 2 3	below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/
		LAWNGTLAN	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
		for East	at 10-15 DAS are effective.
Brinjal	Fruiting stage	/	Weeding near the plant
) \	5	❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1		Provide irrigation in the field.
		Disease:	 Seed treatment with captan, thiram or
	(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	AIZAVIL	Weeding near the plant
		Culebrie 12	♣ Draining of excess water and preparation
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \)	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
	1)		in card formation stage.
		SERCHHI	❖ Provide irrigation in the plant.
		Value,	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Prenching 1% Bordeaux mixture or 2 g
	3	matta etempi	captan or 3 copper oxychloride/ lt of water
		Co.	at 10-15 DAS are effective.
	\	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	9 76	• Weeding in the toria plot.
toria			 Provide irrigation in the field.
		1 20	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAL	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		l f	Imidachloprid 1.5ml/lt of water.
		COLUMN TO THE REAL PROPERTY OF THE PARTY OF	

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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.
	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ 3	Provide irrigation in the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
	9	W.)	✓ Drenching 1% Bordeaux mixture or 2 g
	ζ	2 1	captan or 3 copper oxychloride/ lt of water
	4		at 10-15 DAS are effective.
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	e e	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		✓ Harvest rice crop
		())	✓ Cut residue 20 cm from the base.
	((✓ Open the furrow with the help of furrow
	12		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V La	✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	7
		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
	1	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
		() 3	 Primary vaccination 6 month or above
		N N	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 ———	1. 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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	i	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	Ś.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	4	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	7

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

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: Chhimtuipui Period: 27 - 31 December, 2014

Bulletin No: -478/2014/ Bulletin/English

Date of issue: 26th December, 2014

Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	MAIL O. CITA	0	0	4
Max Temp (oC)	25	26	27	28	26
Min Temp (oC)	2	1	3	7	12
Cloud Coverage	Clear sky	Mainly clear	Clear sky	Clear sky	Mainly cloudy
Max RH (%)	99	99	99	99	95
Min RH (%)	22	14	13	33	43
Wind Speed (KmpH)	7	8	5	4	4
*Wind Direction	J E 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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

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

Serchhip-0.00mm Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather summary of the past	
three days	

Weather forecast valid from 27th December, 2014 To 31st December, 2014.

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 1-12°C. Maximum relative humidity is expected in the range of 95-99% and minimum may from 13-43%. Wind direction would be easterly with the wind speed of 4-8 km per hour. Partially cloudy will prevail during the next five days.

ď	W	00	kl	v	cumul	lative	rain	fall•	040	mm
	,,	661	nι	V	cumu	uuve	<i>i</i> uiii	luu.	$\mathbf{v} \mathbf{T} \mathbf{v} \mathbf{v}$	

Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal	1	Pest/ Diseases	husbandry advisories
/Fisheries	8	1 5 3	
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAN	Wound dressing with Bordeaux paste and
		SAIHA	mulch with dry grass to conserve moisture
		(SAIDA	and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
		121	copperoxycholoride 8 g /10 lt of water.

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(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
		KOLASIB	planting material.
		1,	Provide irrigation to the base of the plant.
	l l	3 4 /	✓ Fertilizer application in split dose of recommended dose.
	}		✓ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	Z MAMIT		loosen up the soil. Remove slips and use it as a new planting
	\$	AIZAWL C	material.
	\	{	o Sucker dipping treatment with Bavistin @
	À.		3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
) 6	~ 1 3 ×	insect.
))		 Weeding and intercultural operation.
		SERCHHI	8 1
Cucurbits	Vegetative stage	V (-)	Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are
	7	100	made at a spacing of 2.0-2.5x 2.0-2.5 m,
	Į.		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber
	1		respectively. Well rotten FYM should be applied in pits and filled with top soil up to
	_	a 8~	3/4th height and 2-3 seeds will be sown in
			each pit.
		1901	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.
		1	♣ Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and IA	
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
	J.	100	1

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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
		- FEET -	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	 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
	(Damping off-	chlorothalonil will effectively control this
	<u> </u>		disease.
	10	Pest:	 Sulfur fungicides can be used to control
	· ·	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
	\$	AIZAVIL C	Weeding near the plant
		C WIEWAIT	♣ Draining of excess water and preparation
		5	mound near the base.
	\ \	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
_	3.7		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V	Weeding near the plant.
	\ \	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
		5-511000 S-5-1	captan or 3 copper oxychloride/ lt of water
	1	0	at 10-15 DAS are effective.
	-	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	(S C	Weeding in the toria plot.
toria	8 8		o Provide irrigation to the field.
) ~1	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAND	✓ Weeding to the pea plot.
	5 5	/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
		1 1	I

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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	 Weeding near the plant 		
			* Fertilizer application in split dose of		
		The second	recommended dose.		
	7.7	/ 3	Provide irrigation in the plant.		
) _>	Damping off	✓ Seed treatment with thiram 3g/kg seed or		
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g		
	Į.,		(Apron)/ kg seed		
)	W.)	✓ Drenching 1% Bordeaux mixture or 2 g		
	5	2 1	captan or 3 copper oxychloride/ lt of water		
	1		at 10-15 DAS are effective.		
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of		
	Ł	blotch	water or Bavistin @ 1g/litre of water, 2-3		
	7 MAMIT	1	sprayings should be given forthnightly		
	5	AIZAWL C	intervals.		
		C meaning 13	o Spraying of Blitox @ 3 g/l of water was		
)	Toulid effective against leaf spot.		
Rice	Harvesting stage		✓ Harvest rice crop		
		() 10	✓ Cut residue 20 cm from the base.		
			✓ Open the furrow with the help of furrow		
	12		opener.		
		SERCHHI	✓ Place FYM and fertilizer.		
		- Varia	✓ Place the seed and cover by soil.		
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.		
		Reproductive			
		Respiratory			
		Syndrome (PRRS).	- 12		
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2		
	27	- C	months and yearly interval/6 month interval		
Cattle	All age group 🦎	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6		
	11	Disease (FMD)	month.		
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). 		
	5				
		Water State of the Control of the Co	❖ 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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	13	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	1	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	\$	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	4	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	7

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

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: Kolasib Period: 27 - 31 December, 2014

Bulletin No: -478/2014/ Bulletin/English

Date of issue: 26th December, 2014

	100 Opt 100 Inc.	All	1980		
Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	WAIO CID	0	0	0
Max Temp (oC)	24	24	26	26	24
Min Temp (oC)	3	4	5	5	10
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly cloudy
Max RH (%)	98	95	95	95	94
Min RH (%)	37	36	35	31	44
Wind Speed (KmpH)	5	6	6	5	3
*Wind Direction) EAMIT	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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

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

Serchhip-0.00mm

Main Cron/

Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather summary of the past three days

The temperature range for maximum and minimum were 14.2-21.2°C and 10.2-12.3°C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 51-60% & minimum of 14-26%. Rainfall recorded for the past three days is **00.0mm**.

Weather forecast valid from 27th December, 2014 To 31st December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26^oC and 3-10^oC. Maximum relative humidity is expected in the range of 94-98% and minimum may from 31-44%. Wind direction would be easterly with the wind speed of 3-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Agricultural / Horticultural/ animal

Animal /Fisheries	Stuge	Pest/ Diseases	husbandry advisories
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	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

Cultural practices/

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Stage



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(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
	2.5	KOLASIB	planting material.
	-	[A	✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of
	(3 1	recommended dose.
	7		✓ Harvest fruits when the flower tips of the
	M.		fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	J' MAMIT	1	loosen up the soil.
	3	(AIZAVIL)	• Remove slips and use it as a new planting material.
	\	3	Sucker dipping treatment with Bavistin @
	1		3g + Chloropyriphos @ 1 g/lt of water to
	\	() 1	protect against soil borne disease and
	1 (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
	1		applied in pits and filled with top soil up to
	7	a 8~	3/4th height and 2-3 seeds will be sown in
		31	each pit.
		90	In case of chow-chow, fruit are planted
		(() 4	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/
		LAWNGTLAN	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
			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	AIZAVVL	Weeding near the plant.
		C MICHAEL TO	→ 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 00 5-5-1	captan or 3 copper oxychloride/ lt 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	(A A	Weeding in the toria plot.
toria	<i>88</i> .		o Provide irrigation in the field.
			o 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
			Imidachloprid 1.5ml/lt of water.
		m 6	

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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
	1	1	recommended dose.
	1, 1	1	 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
)	W/S	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	<u> </u>		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, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	4	AIZAWL TO	intervals.
)	V. Constitution	o Spraying of Blitox @ 3 g/l of water was
—		1	found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
			✓ Cut residue 20 cm from the base.
	1		Open the furrow with the help of furrow
		SERCHHI	opener. ✓ Place FYM and fertilizer.
		SERCHHI	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	Culling of positive pigs or piglets.
rig	All stages	Reproductive	1. Culling of positive pigs of piglets.
		Respiratory	1
		Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Tradit stage	S Wille IC VOI	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	uge great	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			Primary vaccination 6 month or above
		1	❖ Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
•	3	LAWNGTLAND	vaccine for adult birds.
	Early stage	Coccidiosis	1. 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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	Ś.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

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District: Lawngtalai Period: 27 - 31 December, 2014

Bulletin No: -478/2014/ Bulletin/English

Date of issue: 26th December, 2014

Parameters	27.12.2014	28.12.2014	29.12.2014	30.12.2014	31.12.2014
Rainfall (mm)	0	MAIL O. CITI	0	0	4
Max Temp (oC)	25	26	27	27	26
Min Temp (oC)	4	3	5	8	13
Cloud Coverage	Clear sky	Mainly clear	Clear sky	Clear sky	Mainly cloudy
Max RH (%)	96	95	95	93	94
Min RH (%)	30	23	21	36	45
Wind Speed (KmpH)	7	9	6	4	5
*Wind Direction	Englit	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- November 1-30, 2014 (Percent of deviation from normal in parenthesis)

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

Serchhip-0.00mm Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather summary of the	past
three days	

Weather forecast valid from 27th December, 2014 To 31st December, 2014.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 3-13°C. Maximum relative humidity is expected in the range of 93-96% and minimum may from 21-45%. Wind direction would be easterly with the wind speed of 4-9 km per hour. Clear sky will prevail during the next five days.

i	W	100	kl	v	cumul	lative	rain	fall:	00.0	mm
	,,,		nι	•	Lumu	uiive	I WIII	luii.	$vv \cdot v$	

Main Crop/ Animal	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		1 63 8	(
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 5	• 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/		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 to the base of the plant.
	1	W)	✓ Fertilizer application in split dose of recommended dose.
	}	$\leftarrow L$	✓ 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.
	{	AIZAWL C	o Remove slips and use it as a new planting material.
	\	5	o Sucker dipping treatment with Bavistin @
	l l	3 26	3g + Chloropyriphos @ 1 g/lt of water to
	\	1 3 1	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
	4		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
		LUNGLEI	pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be
	1		applied in pits and filled with top soil up to
	7	n 8~	3/4th height and 2-3 seeds will be sown in
		31	each pit.
		(G ()	In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		Y	below soil at a spacing of 3.5 x 2.0 m.
		LAWNGTLAL	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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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		- FEET -	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	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
	\$	Damping off-	chlorothalonil will effectively control this
	<u> </u>	Carried Land	disease.
	1	Pest:	 Sulfur fungicides can be used to control
	- E	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	\ \	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		Current 1	♣ Draining of excess water and preparation
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	j 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
		-	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
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1	LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	>		captan or 3 copper oxychloride/ lt of water
	1	esc.	at 10-15 DAS are effective.
	-	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	9 0	Weeding in the toria plot.
toria	5 5		o Provide irrigation in the field.
		1 2	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
	5 5	F SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		1	Imidachloprid 1.5ml/lt of water.
		E C	•

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			❖ Fertilizer application in split dose of
		1	recommended dose.
	7.1	7	 Provide irrigation to the plant.
	1 \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
)	(AA)	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	J.		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
	4	AIZAVIL C	intervals.
		No.	o Spraying of Blitox @ 3 g/l of water was
			Toulid effective against leaf spot.
Rice	Harvesting stage	1 66	✓ Harvest rice crop
		1 1 1	✓ Cut residue 20 cm from the base.
	1 0		Open the furrow with the help of furrow
		еспеци	opener. ✓ Place FYM and fertilizer.
		SERCHINI	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
1.6	Thi stages	Reproductive	1. Culting of positive pigs of pigiets.
	1	Respiratory	4
		Syndrome (PRRS).	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).
			 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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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	i	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	1	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna		Farm manager (T-6)	ramakrishna iari@rediffmail.com
Mr. Samik Chowdhury	Ś.	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali		Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

Dr. Lalmuanzovi		PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte		PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com

LAWNGTLAL

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Phone: +91 3837 220041, Fax: +91 3837 220560,