

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: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	WAIO COLD	0	0	0
Max Temp (oC)	25	25	25	24	25
Min Temp (oC)	10	9	9	8	8
Cloud Coverage	Clear sky				
Max RH (%)	96	96	95	97	95
Min RH (%)	38	39	36	31	31
Wind Speed (KmpH)	6	6	6	6	6
*Wind Direction	5 Eggs	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

The temperature range for maximum and minimum were 16.1-20.3°C and 9.5-12.0°C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 50-61% & minimum of 12-24%. Rainfall recorded for the past three days is **00.0mm.**

Weather-forecast valid from 24th December, 2014 To 28th 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 24-25°C and 8-10°C. Maximum relative humidity is expected in the range of 95-97% and minimum may from 31-39%. Wind direction would be easterly with the wind speed of 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. 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
		KOLASIB	planting material.
	- (NOLKOID C	Provide irrigation to the base of the plant.
)	W/S	✓ Fertilizer application in split dose of
	5		recommended dose.
	7	5000	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage) S.J.	Clean the vicinity of plants by weeding and
Тіпсирріс) MAMIT		loosen up the soil.
	5	AIZAVIL	o Remove slips and use it as a new planting
)	A THE STATE OF	material.
)	3	o Sucker dipping treatment with Bavistin @
	1	1 1	3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and
) 6		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,
	J.		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	pumpkin, bottle gourd cucumber
	5	HALLANDER.	respectively. Well rotten FYM should be
		23	applied in pits and filled with top soil up to
	-	A	3/4th height and 2-3 seeds will be sown in each pit.
			☐ In case of chow-chow, fruit are planted
		8 1 3 8 3	with broad end downwards, 2/3rd portion
		1 2	below soil at a spacing of 3.5 x 2.0 m.
		1 marine	4 Polythene nursery raising can be done/
		Damping off and IA	initiate ✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		8	(Apron)/ kg seed

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			 Provide irrigation to the plant.
)	Disease:	 Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		Care L	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.
		Cumming 1	♣ 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
))		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		Value of the second	Weeding near the plant.
	\	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	manus et e e e e	captan or 3 copper oxychloride/ lt of water
		CV.	at 10-15 DAS are effective.
	*	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	(5 A)	• 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	LAWNGTLAND	✓ Weeding in the pea plot.
		SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		The state of	Imidachloprid 1.5ml/lt of water.
		A R	

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

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LAWNGTLAL

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District: Lawngtalai Period: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	MAI O CID	0	0	0
Max Temp (oC)	26	26	26	26	27
Min Temp (oC)	6	6	4	4	4
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	96	96	96	95	94
Min RH (%)	31	28	26	20	18
Wind Speed (KmpH)	7	7	7	8	6
*Wind Direction	EARLIT	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	W
three days		

Weather-forecast valid from 24th December, 2014 To 28th 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 26-27°C and 4-6°C. Maximum relative humidity is expected in the range of 94-96% and minimum may from 18-31%. Wind direction would be easterly with the wind speed of 6-8 km per hour. Clear sky will prevail during the next five days.

Weekly	cumulative	rainfall:	00.0 mm
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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker LAWNGTLAL SAIHA	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water

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			• Excess water removes from the base of the plant.
Banana	Vegetative/		✓ 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.
	l	3 4	✓ Fertilizer application in split dose of recommended dose.
	7		✓ Harvest fruits when the flower tips of the
	f f		fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	/ MAMIT	1	loosen up the soil. Remove slips and use it as a new planting
	3	AIZAVVL C	material.
		1	o Sucker dipping treatment with Bavistin @
	X.	1 00	3g + Chloropyriphos @ 1 g/lt of water to
) &		protect against soil borne disease and insect.
))		 Weeding and intercultural operation.
		SERCHHI	8 1
Cucurbits	Vegetative stage		Land is ploughed to a fine tilth and pits of
	7		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
	1		respectively. Well rotten FYM should be applied in pits and filled with top soil up to
	L	n 8~	3/4th height and 2-3 seeds will be sown in
		01	each pit.
		1901	In case of chow-chow, fruit are planted
		1 63 4	with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m.
		Y 1	Polythene nursery raising can be done/
		LAWNGTLAN	initiate
		Damping off and IA	
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
	J		(F),0

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			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	 Weeding near the plant
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			 Provide irrigation to the plant.
)	Disease:	 Seed treatment with captan, thiram or
	5	Damping off-	chlorothalonil will effectively control this
		Care L	disease.
	1	Pest:	 Sulfur fungicides can be used to control
	- E	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		Cultural	♣ Draining of excess water and preparation
	1	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
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	>	HALL STEEL	captan or 3 copper oxychloride/ lt of water
	1	esc.	at 10-15 DAS are effective.
	<u> </u>	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	G 3	Weeding in the toria plot.
toria	8 8		o Provide irrigation in the field.
		J 20	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		J SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		1	Imidachloprid 1.5ml/lt of water.
		EL C	• • • • • • • • • • • • • • • • • • •

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant				
			❖ Fertilizer application in split dose of				
		A CONTRACTOR	recommended dose.				
	7.7	/a 3	 Provide irrigation to the plant. 				
	1 1 1	Damping off	nping 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	2 1	captan or 3 copper oxychloride/ lt of water				
	(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	intervals.					
		N. Committee	o Spraying of Blitox @ 3 g/l of water was				
		1	Toutiu effective against leaf spot.				
Rice	Harvesting stage	3 8 6	✓ Harvest rice crop				
	\ \	1 3 1	✓ Cut residue 20 cm from the base.				
	A (✓ Open the furrow with the help of furrow				
	1/	ocnoun	opener. ✓ Place FYM and fertilizer.				
		SEKCHHI					
Pig	All stages	✓ Place the seed and cover by soil.					
I ig	All stages	Porcine 1. Culling of positive pigs or piglets. Reproductive					
		Respiratory	1				
		Syndrome (PRRS).	\$				
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2				
	Tarana Sungi	211222	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	Revaccination annually				
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B				
,	2. 2. 7. 2. 2. 3	LAWNGTLAL	vaccine for adult birds.				
	Early stage	Coccidiosis	Amprolium or coccidiostat				

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LAWNGTLAL

SAIHA

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District: Lunglei Period: 24 - 28 December, 2014

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Max RH (%)	99	99	98	98	98
Min RH (%)	30	28	26	22	19
Wind Speed (KmpH)	6	6	6	6	6
*Wind Direction	S Englis	E	E	E	E

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Serchhip-0.00mm Lawngtalia-0.00mm Lunglei-0.00mm Chhimtuipui-0.00mm

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Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAN	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture
		SAIHA	and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			• Excess water removes from the base of the plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	KOLASIB	single place. ✓ Remove sword sucker and use it as new planting material.
	5	LA S	✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of
	}	64	recommended dose. ✓ Harvest fruits when the flower tips of the
D'	5 7		fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAVIL C	 Remove slips and use it as a new planting material.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	o Sucker dipping treatment with Bavistin @
	À.	1	3g + Chloropyriphos @ 1 g/lt of water to
) 🏊		protect against soil borne disease and insect.
))		 Weeding and intercultural operation.
		SERCHHI	8
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
	3		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
	7	CONSICE	respectively. Well rotten FYM should be
		C/C	applied in pits and filled with top soil up to
		A (~	3/4th height and 2-3 seeds will be sown in
	1		each pit. In case of chow-chow, fruit are planted
		77	with broad end downwards, 2/3rd portion
			below soil at a spacing of 3.5 x 2.0 m.
			4 Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and IA	
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
			(1 pron)/ Kg seed

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			✓ 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	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
		Care L	disease.
	1	Pest:	 Sulfur fungicides can be used to control
	· le	Mites and hoppers-	this pest.
Cowpea	Fruiting stage)	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		Comment 1	♣ 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
))		in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		V L	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	matterate mil	captan or 3 copper oxychloride/ lt of water
		Cv.	at 10-15 DAS are effective.
	5	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
			in nursery is quite effective.
Mustard and	Flowering stage	A TO	• Weeding in the toria plot.
toria			 Provide irrigation in the field.
			• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		V tage 1	Imidachloprid 1.5ml/lt of water.
			1

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## Fertilizer application in split dose of recommended dose. ## Provide irrigation to the plant. ## Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ## Damping off	Tomato	Vegetative stage	Land preparation	 Weeding near the plant 		
Damping off CASIB Damping off CASIB Damping off CASIB Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvesting stage Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Adult stage Poot and Mouth Disease (FMD) Pig Vaccine at 16 week and repeat every 6 month.				❖ Fertilizer application in split dose of		
Damping off Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.			The state of	recommended dose.		
Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvesting stage Harvesting stage Harvestrice crop Cut residue 20 cm from the base. Open the furrow with the help of furrow opener. Place FYM and fertilizer. Place the seed and cover by soil. Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Adult stage Adult stage Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.		7	7	 Provide irrigation to the plant. 		
Cattle All age group Capran Cap) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or		
Cattle All age group Capron Kg seed			KOLASIB			
captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Leaf spot and leaf blotch Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvesting stage Harvestrice crop Cut residue 20 cm from the base. Open the furrow with the help of furrow opener. Place FYM and fertilizer. Place the seed and cover by soil. Cutling of positive pigs or piglets. Adult stage Adult stage Swine fever. Poot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.		1				
Leaf spot and leaf blotch Disease (FMD) Leaf spot and leaf blotch Spraying Dithane M-45 @ 2.5g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvest rice crop Cut residue 20 cm from the base. Open the furrow with the help of furrow opener. Place FYM and fertilizer. Place the seed and cover by soil. Culling of positive pigs or piglets. Adult stage Swine fever. Leaf spot and leaf blotch Water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvest rice crop Cut residue 20 cm from the base. Place FYM and fertilizer. Place the seed and cover by soil. Culling of positive pigs or piglets. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval FMD vaccine at 16 week and repeat every 6 month.			WA)			
Leaf spot and leaf blotch Leaf spot and leaf blotch Spraying Dithane M-45 @ 2.5g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvesting stage ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. 1. Culling of positive pigs or piglets. Adult stage Swine fever. Cattle All age group Foot and Mouth Disease (FMD) Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.		5				
Blotch Water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.		(
sprayings should be given forthnightly intervals. O Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. What was found effective ag						
intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. Harvesting stage Harvesting stage Harvesting stage Harvest rice crop Cut residue 20 cm from the base. Open the furrow with the help of furrow opener. Place FYM and fertilizer. Place the seed and cover by soil. Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. All age group Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.						
Rice Harvesting stage Harvesting stage Harvesting stage Harvest rice crop Cut residue 20 cm from the base. Open the furrow with the help of furrow opener. Place FYM and fertilizer. Place FYM and fertilizer. Place the seed and cover by soil. Culling of positive pigs or piglets. Adult stage Adult stage Adult stage Adult stage All age group Foot and Mouth Disease (FMD) Spraying of Blitox @ 3 g/l of water was found effective against leaf spot. V Harvest rice crop Cut residue 20 cm from the base. Place FYM and fertilizer. Place FYM and fertilizer. Place FYM open the furrow with the help of furrow opener. V Place FYM open the furrow with the help of furrow opener. V Place FYM and fertilizer. V Place in fine furrow opener. V Place FYM and fertilizer. V Place FYM open the furrow with the help of furrow opener. V Place FYM and fertilizer. V Place FYM and		7 MAMIT				
Rice Harvesting stage Harvesting crop Cut residue 20 cm from the base. Open the furrow with the help of furrow opener. Place FYM and fertilizer. Place the seed and cover by soil. Culling of positive pigs or piglets. Reproductive Respiratory Syndrome (PRRS). Swine fever. Adult stage Swine fever. Lattle All age group Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.		5	AIZAVVL C	1 La A (1/13/6) 1 1		
Rice Harvesting stage ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. Adult stage All age group Foot and Mouth Disease (FMD) ✓ Harvest rice crop ✓ Cut residue 20 cm from the base. ✓ Open the furrow with the help of furrow opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. 1. Culling of positive pigs or piglets. Foot and Mouth Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.						
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Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). 1. Culling of positive pigs or piglets. Adult stage Swine fever. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval Cattle All age group Foot and Mouth Disease (FMD) • FMD vaccine at 16 week and repeat every 6 month.	Rice	Harvesting stage	3			
opener. ✓ Place FYM and fertilizer. ✓ Place the seed and cover by soil. Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. Zettle All age group Foot and Mouth Disease (FMD) Opener. ✓ Place FYM and fertilizer.			1 3 1			
Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Adult stage All age group Foot and Mouth Disease (FMD) Place FYM and fertilizer. Place FYM and cover by soil. 1. Culling of positive pigs or piglets. Positive pigs or piglets. Foot and Mouth Broot and Mouth FMD vaccine at 16 week and repeat every 6 month.		1		*		
Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. Cattle All age group Place the seed and cover by soil. 1. Culling of positive pigs or piglets. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval FMD vaccine at 16 week and repeat every 6 month.		12	ocnoun			
Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. Cattle All age group Foot and Mouth Disease (FMD) 1. Culling of positive pigs or piglets. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval FMD vaccine at 16 week and repeat every 6 month.			SEKCHHI			
Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval FMD vaccine at 16 week and repeat every 6 month.	Dia	All stages	Donaina	•		
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 Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.	rig	All stages		1. Culling of positive pigs of piglets.		
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 Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.			_	1		
Adult stage Swine fever. 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval Cattle All age group Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.						
Cattle All age group Foot and Mouth Disease (FMD) months and yearly interval/6 month interval FMD vaccine at 16 week and repeat every 6 month.		Adult stage		2 Vaccination of pigs with SF vaccines at 2		
Cattle All age group Foot and Mouth Disease (FMD) FMD vaccine at 16 week and repeat every 6 month.		riddit stage	Swine rever.			
Disease (FMD) month.	Cattle	All age group	Foot and Mouth	i i		
		ngr gr var		•		
		Young stage				
❖ Primary vaccination 6 month or above						
Revaccination annually			-7	179,47		
Poultry Adult stage Ranikhet Disease. • F1 vaccine at (1-6) days of birth and R ₂ B	Poultry	Adult stage	Ranikhet Disease.			
vaccine for adult birds.						
Early stage Coccidiosis 1. Amprolium or coccidiostat		Early stage	Coccidiosis			

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LAWNGTLAL

SAIHA

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District: Mamit Period: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	0	0	0	0
Max Temp (oC)	25	25	25	24	25
Min Temp (oC)	10	10	9	10	10
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly clear	Clear sky
Max RH (%)	97	- 97	97	96	97
Min RH (%)	42	42	40	35	35
Wind Speed (KmpH)	4	4	4	6	6
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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 24th December, 2014 To 28th 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 24-25°C and 9-10°C. Maximum relative humidity is expected in the range of 96-97% and minimum may from 35-42%. Wind direction would be easterly with the wind speed of 4-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

		West	cumutative ratifati. 00.0 mm
Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal		Pest/ Diseases	husbandry advisories
/Fisheries	5		
Khasi	Vegetative stage	Canker	 Prune the diseased and dead twigs.
Mandarin		LAWNGTLAL	 Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.
		3 2 6	• 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
	3.5	KOLASIB	planting material.
	1	La 5	✓ Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of
	(3 1	recommended dose.
	3		✓ 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	AIZAWL C	• 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	V-T	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	n 8~	3/4th height and 2-3 seeds will be sown in
	1		each pit.
		901	In case of chow-chow, fruit are planted
		1 73 3	with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m.
		Y	Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed or
		Blight 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
			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
	\$	Damping off-	chlorothalonil will effectively control this
	<u> </u>	Care L	disease.
	1	Pest:	 Sulfur fungicides can be used to control
	- E	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAWL C	Weeding near the plant
		Cultural	♣ 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
		-	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
	>	HALL STEEL	captan or 3 copper oxychloride/ lt of water
	1	esc.	at 10-15 DAS are effective.
	<u> </u>	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	G 3	Weeding in the toria plot.
toria	8 8		o Provide irrigation in the field.
		J 20	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
	5 5	J SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		1	Imidachloprid 1.5ml/lt of water.
		EL C	• • • • • • • • • • • • • • • • • • •

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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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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LAWNGTLAL

SAIHA

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	MAIL O. CID	0	0	0
Max Temp (oC)	25	25	25	25	26
Min Temp (oC)	9	<u>y</u> 9	9	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	23	22	21	16	13
Wind Speed (KmpH)	6	6	6	7	7
*Wind Direction	S E ANALT	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	1
three days		

Weather-forecast valid from 24th December, 2014 To 28th 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 25-26°C and 8-9^oC. Maximum relative humidity is expected in the range of 100% and minimum may from 13-23%. Wind direction would be easterly with the wind speed of 6-7 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall

Main Crop/ Animal	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries	8	1 5 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.
		1 5	• For canker, spray streoptomycin 2g + 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 planting material.
		KOLASIB	✓ Provide irrigation in the base.
)	W3)	✓ Fertilizer application in split dose of
	}		recommended dose. ✓ Harvest fruits when the flower tips of the
		3 2	fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	3) a remain	• Remove slips and use it as a new planting
		AIZAVVL	material.
	1	1	 Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to
	1	1 58	protect against soil borne disease and
	3 6		insect.
		SERCHHI	Weeding and intercultural operation.Provide irrigation in the plant.
Cucurbits	Vegetative stage	(~)	Land is ploughed to a fine tilth and pits of
		L	60 cm diameter and 30-45cm depth are
	1		made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		CUMPLET	pumpkin, bottle gourd cucumber
	7	LUNGLEI	respectively. Well rotten FYM should be
		200	applied in pits and filled with top soil up to
		IA I	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
		1	below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done/
		LAWNGTLANS	initiate
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
	<u> </u>		(1 pron)/ 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
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.
	L.	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1	LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	/	THE CONTRACTOR OF THE CONTRACT	captan or 3 copper oxychloride/ lt of water
		Co.	at 10-15 DAS are effective.
	A	Mustard sawfly	Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	9 0	• Weeding in the toria plot.
toria			o Provide irrigation in the field.
		1 2	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		f	Imidachloprid 1.5ml/lt of water.
		CALL TO ST	

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Tomato	Vegetative stage	Land preparation	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
			recommended dose.
	7.7	7	 Provide irrigation in the plant.
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
	1	(APS)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	¥	T C 11 C	at 10-15 DAS are effective.
		Leaf spot and leaf blotch	o Spraying Dithane M-45 @ 2.5g/litre of water or Bavistin @ 1g/litre of water, 2-3
	\$ MAMIT	Dioten	sprayings should be given forthnightly
	1 1000,000 1	1	intervale
	3	AIZAWL C	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
	vesting stage	1 5/5	✓ Cut residue 20 cm from the base.
) 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	(Respiratory	7
		Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
Cattle	All aga guarra	Foot and Mouth	months and yearly interval/6 month interval
Cattle	All age group	Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	N
	1 oung stage	Diack Quarter (DQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above
		1 2 3	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
1 Juili y	rium suge	LAWNGTLAL	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	zary suge	COCCIONIS	

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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: Aizawl Period: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	W/ii O. e.ipi	0	0	0
Max Temp (oC)	25	25	25	24	25
Min Temp (oC)	9	<u>N</u> 9	9	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99	98	98	98	98
Min RH (%)	36	36	34	29	28
Wind Speed (KmpH)	5	5	5	6	6
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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 L

Lawngtalia-0.00mm

Lunglei-0.00mm

Chhimtuipui-0.00mm

Weather summary of the	past
three days	

Weather forecast valid from 24th December, 2014 To 28th 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 24-25°C and 8-9°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 28-36%. Wind direction would be easterly with the wind speed of 5-6 km per hour. Partially cloudy will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Main Crop/ Animal /Fisheries	Stage	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 5	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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Vegetative/harvesting				• Excess water removes from the base of the plant.
 ✓ 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. O Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. O 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 Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 made at a spacing of 2.0-2.5	Banana			Remove water sucker, keep 1 or 2 plants in a
 ✓ Provide irrigation to the base. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. O Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. O 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 Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m 		nai vesting	KOLASIB	✓ Remove sword sucker and use it as new
Pineapple Vegetative stage O Clean the vicinity of plants by weeding and loosen up the soil. O Remove slips and use it as a new planting material. O 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 Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m.		5	Ls 5	✓ Provide irrigation to the base.✓ Fertilizer application in split dose of
Pineapple Vegetative stage Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant. Cucurbits Vegetative stage Vegetative stage Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m		}	£ (✓ Harvest fruits when the flower tips of the
Cucurbits Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant. Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m	Pineapple	lithriteen en Conn		o Clean the vicinity of plants by weeding and
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 Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m		\$	AIZAVIL	o Remove slips and use it as a new planting
Cucurbits Vegetative stage Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m		1		3g + Chloropyriphos @ 1 g/lt of water to
Cucurbits Vegetative stage Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth armade at a spacing of 2.0-2.5x 2.0-2.5 m		15		insect.
60 cm diameter and 30-45cm depth ar made at a spacing of 2.0-2.5x 2.0-2.5 m			SERCHHI	
2 0-2 5x 1 0-2 0 x 1 0-2 0 m fc	Cucurbits	Vegetative stage	V C	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 cucumbe			LUNGLEI	
applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in		1	0 8	applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in
			3	In case of chow-chow, fruit are planted
below soil at a spacing of 3.5 x 2.0 m.			1 2 3	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			LAWNGTLAN	
Damping off and Seed treatment with thiram 3g/kg seed or Blight Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed			_	Trichoderma viride 4g+ metalaxyl 4g

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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 in 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	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LAWNGTLAL

SAIHA

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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: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	MAIL OCIDI	0	0	0
Max Temp (oC)	24	24	24	24	24
Min Temp (oC)	8	9	9	8	8
Cloud Coverage	Clear sky	Clear sky	// Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	99	100
Min RH (%)	34	33	30	25	24
Wind Speed (KmpH)	4	4	4	5	6
*Wind Direction	S	S	S	S	S

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	
tiff ce days	

Weather forecast valid from 24th December, 2014 To 28th 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°C and 8-9°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 24-34%. Wind direction would be southeasterly with the wind speed of 4-6 km per hour. Partially cloudy 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 1	• For canker, spray streoptomycin 2g + 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/ 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 in the base.
	}	- E- C	 ✓ 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
		LAWNGTLAL	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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			✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	 Weeding near the plant
		T)	❖ Fertilizer application in split dose of
	334	KOLASIB	recommended dose.
			 Provide irrigation in the field.
	1	Disease:	o Seed treatment with captan, thiram or
	- 5	Damping off-	chlorothalonil will effectively control this
	J	STATE	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant
		V	♣ Draining of excess water and preparation
			mound near the base.
	l l	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	11		in card formation stage.
		SERCHHI	
		Vila	Weeding near the plant.
	Y	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		100	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	5	ALEXACTED AND	captan or 3 copper oxychloride/ lt of water
	7 7	0	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1	3	in nursery is quite effective.
Mustard and	Flowering stage	1901	• Weeding in the toria plot.
toria			o Provide irrigation in the field.
			• 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
		V Car	Imidachloprid 1.5ml/lt of water.
		and March 1	

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			❖ Fertilizer application in split dose of
		for the same	recommended dose.
	7.7	/	 Provide irrigation in the plant.
) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		(Apron)/ kg seed
	1	WY)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	¥	7 0 1 3 1 1	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	3	blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	1	sprayings should be given forthnightly intervals.
	3	(AIZAVIL)	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage	(✓ Harvest rice crop
Micc	Hai vesting stage		✓ Cut residue 20 cm from the base.
) 6		✓ Open the furrow with the help of furrow
))		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		V	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	7
		Syndrome (PRRS).	À
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
C-44]-	A 11	E41M4L	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
	Vous atom	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above
	1	J 73 7	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
1 outily	Tiddit stage	LAWNGTLAL	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	Lary buge	Coccidiosis	1. 1 Impromati of coccidional

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LAWNGTLAL

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Chhimtuipui Period: 24 - 28 December, 2014

Bulletin No: -477/2014/ Bulletin/English

Date of issue: 23th December, 2014

	1000pt 100pt	- A	1000		
Parameters	24.12.2014	25.12.2014	26.12.2014	27.12.2014	28.12.2014
Rainfall (mm)	0	WAI OLEID	0	0	0
Max Temp (oC)	26	26	26	26	27
Min Temp (oC)	4	A 3	2	1	2
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99	99	99	99	99
Min RH (%)	23	19	17	12	10
Wind Speed (KmpH)	7	7	7	7	6
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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	summ	ary of	the past
	three	days	

Weather-forecast valid from 24th December, 2014 To 28th 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 26-27°C and 1-4°C. Maximum relative humidity is expected in the range of 99% and minimum may from 10-23%. Wind direction would be easterly with the wind speed of 6-7 km per hour. Clear sky will prevail during the next five days.

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И	1	V	7	е	(9	ı	t	l	V		(l	ı	ľ	n	ı	ı	u	a	t	u	V	е	1	'n	u	u	$\boldsymbol{\imath}$	t	\boldsymbol{a}	u	:		U	U	١.	U	1	mn	mm

Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal		Pest/ Diseases	husbandry advisories
/Fisheries	N N	1 63 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
		SAINA	and suppress the growth of weed.
			• For canker, spray streoptomycin 2g +
		1 2	copperoxycholoride 8 g /10 lt of water.

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



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Vegetative harvesting			A	• Excess water removes from the base of plant.	the
Single place. Semove sword sucker and use it as new planting material. Provide irrigation to the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the fruit dehiscent. Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant. Land is ploughed to a fine tilth and pits of 0 cm / diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 made at a spacing of 2.0-2.5x 2.0-2.5 made at a spacing of 2.0-2.5x 2.0-2.5 made at a place of the plant o	Banana	Vegetative/	file and the second	✓ Remove water sucker, keep 1 or 2 plants	in a
Pineapple Vegetative stage Pineapple Vegetative stage Pineapple Vegetative stage Cucurbits Vegetative stage LUNGLEI Pamping off and A Blight Parvest fruits when the flower tips of the fruit dehiscent. Provide irrigation to the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the fruit dehiscent. Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant. 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 m for pumpkin, bottle gound cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done initiate Pamping off and A Blight			/		
Pineapple Vegetative stage Pineapple Vegetative stage MAMIT Pineapple Vegetative stage Pineapple Vegetative stage Vegetative stag			1		iew
Provide irrigation to the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent. ○ Clean the vicinity of plants by weeding and loosen up the soil. ○ Remove slips and use it as a new planting material. ○ Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. ○ Weeding and intercultural operation. ○ Provide irrigation to the plant. Cucurbits Vegetative stage Vege			VOLUE CITE		
Pineapple Vegetative stage O Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant. Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth are made at a spacing of 2.0-2.5x 2.0-2.5 m 2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done initiate Damping off and A Blight Vegetative stage			NOLKOID		
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Pineapple Vegetative stage O Clean the vicinity of plants by weeding and loosen up the soil. O Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation. Provide irrigation to the plant. 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 n.5-2.0 x 1.0-2.0 m for pumpkin, bottle gourd cucumber respectively. Well rotten FYM should be applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit. In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done initiate Damping off and A Sleight with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		1	2 6		tiic
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Damping off and ✓ Seed treatment with thiram 3g/kg seed or Blight Trichoderma viride 4g+ metalaxyl 4g			LAWNGTLAL		• /
Blight Trichoderma viride 4g+ metalaxyl 4g			THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		r
(Apron)/ kg seed				(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 at 10-15 DAS are effective.
Brinjal	Fruiting stage	3	 Weeding near the plant
	1		❖ Fertilizer application in split dose of
	330	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
		STATE	disease.
		Pest:	 Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	4	AIZAVIL C	Weeding near the plant
		No. of the last of	→ Draining of excess water and preparation
			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
	12	-	in card formation stage.
		SERCHHI	❖ Provide irrigation to the plant.
		VI L	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
	>	and consideration	captan or 3 copper oxychloride/ lt of water
		Coc.	at 10-15 DAS are effective.
	\	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
		3	in nursery is quite effective.
Mustard and	Flowering stage	901	• Weeding in the toria plot.
toria			 Provide irrigation to the field.
			• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLA	✓ Weeding to the pea plot.
		/ SAIHA	✓ Provide irrigation in the field.
		Aph id	o In case of aphid infestation apply
		1	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	/ 3	 Provide irrigation in the plant.
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
)	(44)	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	(The second second	at 10-15 DAS are effective.
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	1	sprayings should be given forthnightly
	5	AIZAWL C	intervals.
		A Linearity	o Spraying of Blitox @ 3 g/l of water was
			Toulid effective against leaf spot.
Rice	Harvesting stage	1 2	✓ Harvest rice crop
	\	1 3 1	✓ Cut residue 20 cm from the base.
	1 0		✓ Open the furrow with the help of furrow
	11		opener.
		SERCHHI	✓ Place FYM and fertilizer.
			✓ Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		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
	10	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	3	1 5 3	♦ Primary vaccination 6 month or above
_		Y Y	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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LAWNGTLAL

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