

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Date of issue: 27th January, 2015

District: Chhimtuipui Period: 28 January - 01, February, 2015

Bulletin No: -487/2015/ Bulletin/English

	255762 255161				
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	WAIL OLD IN	0	0	0
Max Temp (oC)	27	27	27	26	26
Min Temp (oC)	7	<u>N</u> 9	10	7	6
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	92	80	69	79	67
Min RH (%)	22	25	24	30	19
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	N-E	E	N-E	E

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

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

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

Weather summary of the past three days

Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup>
February, 2015.

There is no chance of light rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 26-27°C and 6-10°C. Maximum relative humidity is expected in the range of 67-92% and minimum may from 19-30%. Wind direction would be northeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

Agricultural / Horticultural/ animal

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

Cultural practices/

1 | P a g e

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Stage

E-mail: iaaskolasib@yahoo.in

Main Cron/



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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	W3 (1)	✓ Fertilizer application in split dose of recommended dose.
	}	$\leftarrow$	✓ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAVIL	o Remove slips and use it as a new planting material.
	1	1	o Sucker dipping treatment with Bavistin @
	Ž.	1 66	3g + Chloropyriphos @ 1 g/lt of water to
	) .	V 3 5	protect against soil borne disease and insect.
	) )		<ul><li>Weeding and intercultural operation.</li></ul>
		SERCHHI	1
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
		NAMES EX	pumpkin, bottle gourd cucumber
	>	LUNGLEI	respectively. Well rotten FYM should be
	1	000	applied in pits and filled with top soil up to
	<b>*</b>	A (~	3/4th height and 2-3 seeds will be sown in
		3	each pit.
		7 01	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		0 63 9	below soil at a spacing of 3.5 x 2.0 m.
		1	4 Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and IA	
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
			(Apron)/ kg seeu

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

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Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>
			❖ Fertilizer application in split dose of
		The state of	recommended dose.
	( )	7	<ul> <li>Provide irrigation in the plant.</li> </ul>
	) \	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 <sub>2</sub> B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat

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LAWNGTLAL

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strict: Kolasib Period: 28 January - 01, February,

Bulletin No: -487/2015/ Bulletin/English

Date of issue: 27th January, 2015

Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	W/10 C 11	0	0	0
Max Temp (oC)	27	27	26	25	25
Min Temp (oC)	5	6	9	3	3
Cloud Coverage	Clear sky	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	97	97	99	97	92
Min RH (%)	29	28	26	32	24
Wind Speed (KmpH)	4	4	4	3	3
*Wind Direction	S-E	E	E	E	E

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

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

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

Weather summary of the past

three days

The temperature range for maximum and minimum were 25.3-26.0°C and 14.6-15.8°C respectively. Clear sky was observed. Wind direction is easterly. Maximum RH observed 50-58% & minimum of 20-23%. Rainfall recorded for the past three days is 00.0mm.

Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup> SERCHHIP February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 3-9°C. Maximum relative humidity is expected in the range of 92-99% and minimum may from 24-32%. Wind direction would be southeasterly with the wind speed of 3-4 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	<ul> <li>Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> </ul>
		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/ harvesting		✓ Remove water sucker, keep 1 or 2 plants in a single place.
	narvesting	KOLASIB	✓ Remove sword sucker and use it as new planting material.
	}	Ls 5	<ul> <li>✓ Provide irrigation to the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
	}	84	✓ 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 C	o Remove slips and use it as a new planting material.
	1		o Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to
	10	7	protect against soil borne disease and insect.
	7	SERCHHI	
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 pumpkin, bottle gourd cucumber
	3	LUNGLEI	respectively. Well rotten FYM should be applied in pits and filled with top soil up to
	5	a 8~	3/4th height and 2-3 seeds will be sown in
		K G a l	each pit.  In case of chow-chow, fruit are planted
		5 3 7	with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m.
		LAWNGTLAN	Polythene nursery raising can be done/initiate
		Damping off and A Blight	
L	J.	12	1 / U

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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	<ul><li>Weeding near the plant</li></ul>
			❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
			<ul><li>Provide irrigation to the plant.</li></ul>
	)	Disease:	<ul> <li>Seed treatment with captan, thiram or</li> </ul>
	\$	Damping off-	chlorothalonil will effectively control this
	<u> </u>	Care L	disease.
	1	Pest:	<ul> <li>Sulfur fungicides can be used to control</li> </ul>
	- 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
	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.
		Value of the second	Weeding near the plant.
	<b>4</b>	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.
	<b>1</b>	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			<ul> <li>Provide irrigation in the field.</li> </ul>
			• 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.
		<b>Aphid</b>	o In case of aphid infestation apply
		V see 1	Imidachloprid 1.5ml/lt of water.
			# * T * T * T * T * T * T * T * T * T *

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Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>
			❖ Fertilizer application in split dose of
			recommended dose.
	- 7	7	<ul> <li>Provide irrigation to the plant.</li> </ul>
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	(		(Apron)/ kg seed
	1	(4/5)	✓ 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 medical r	1	intomiolo
	3	AIZAWL C	o Spraying of Blitox @ 3 g/l of water was
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
	vastangs	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.
		VE L	✓ 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 /	Syndrome (PRRS).	
	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).
	Toung stage	black Quarter (BQ)	Primary vaccination 6 month or above
		1 -2 7	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B
		LAWNGTLAL	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	<b>-</b> 8-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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LAWNGTLAL

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

Guwahati)



District: Lawngtalai Period: 28 January - 01, February, 2015

Bulletin No: -487/2015/ Bulletin/English

	19776				
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	wai 0 cm	0	0	0
Max Temp (oC)	28	28	28	27	26
Min Temp (oC)	8	10	11	9	7
Cloud Coverage	Clear sky				
Max RH (%)	84	75	66	72	62
Min RH (%)	22	24	23	30	18
Wind Speed (KmpH)	5	5	5	6	6
*Wind Direction	F.	N-F.	F.	N-F.	F.

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

(0.00mm) (0.00mm)

(0.00mm) (0.00mm)

Lunglei-0.00mm Chhimtuipui-0.00mm

Date of issue: 27th January, 2015

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

Lunglei-0.00mm (0.00mm)

(0.00mm)

Weather summary of the past three days Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup> February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 26-28<sup>o</sup>C and 7-11<sup>o</sup>C. Maximum relative humidity is expected in the range of 62-84% and minimum may from 18-30%. Wind direction would be northeasterly with the wind speed of 5-6 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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

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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.
		KOLASIB	✓ Remove sword sucker and use it as new planting material.
	5	Ly 5	<ul> <li>✓ Provide irrigation to the base of the plant.</li> <li>✓ Fertilizer application in split dose of recommended dose.</li> </ul>
	}	85	✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and loosen up the soil.
	{	AIZAVIL )	o Remove slips and use it as a new planting material.
	1		o Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to
	10	~ } ~	protect against soil borne disease and insect.
		SERCHHI	<ul><li>Weeding and intercultural operation.</li><li>Provide irrigation to the plant.</li></ul>
Cucurbits	Vegetative stage	V Z	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,
		LUNGLEI	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
		R	3/4th height and 2-3 seeds will be sown in each pit.
		175	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		LAWNGTLAN	below soil at a spacing of 3.5 x 2.0 m.  Polythene nursery raising can be done/ initiate
		Damping off and A Blight	
	<u> </u>		(1 pron)/ Kg socu

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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	1 3	❖ Weeding near the plant
			❖ Fertilizer application in split dose of
	33.	KOLASIB	recommended dose.
	i (		❖ Provide irrigation to the plant.
	1	Disease:	o Seed treatment with captan, thiram or
	3	<b>Damping off-</b>	chlorothalonil will effectively control this
		STATE	disease.
		Pest:	o Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1	Trilling into bower structure.
	5	AIZAVIL C	Weeding near the plant
		A CONTRACTOR OF THE PARTY OF TH	♣ Draining of excess water and preparation
			mound near the base.
	λ,	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	2.2		in card formation stage.
		SERCHHI	Provide irrigation to the plant.
		V	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3		captan or 3 copper oxychloride/ lt of water
		0	at 10-15 DAS are effective.
	7	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	1		in nursery is quite effective.
Mustard and	Flowering stage	1506	Weeding in the toria plot.
toria			o Provide irrigation in the field.
		( Y	o Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAV	✓ Weeding in the pea plot.
		P SAIHA	✓ Provide irrigation in the field.
		<b>Aphid</b>	o In case of aphid infestation apply
		Jan J	Imidachloprid 1.5ml/lt of water.

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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
		A CONTRACTOR	recommended dose.
	7.7	/a 3	<ul><li>Provide irrigation to the plant.</li></ul>
	1 1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	Į.,		(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.
		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.
		N. Committee	o Spraying of Blitox @ 3 g/l of water was
		1	Touliu effective against leaf spot.
Rice	Harvesting stage	3 8 6	✓ Harvest rice crop
	\	1 3 1	✓ Cut residue 20 cm from the base.
	1		✓ Open the furrow with the help of furrow
		ecneuu	opener. ✓ Place FYM and fertilizer.
		SEKCHHI	✓ Place the seed and cover by soil.
Pig	All stages	Porcine	Culling of positive pigs or piglets.
1 ig	All stages	Reproductive	1. Culting of positive pigs of pigiets.
		Respiratory	10
		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 <sub>2</sub> B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
Poultry	Adult stage	Black Quarter (BQ)  Ranikhet Disease.	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> <li>F1 vaccine at (1-6) days of birth and R<sub>2</sub>E vaccine for adult birds.</li> </ul>

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LAWNGTLAL

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Date of issue: 27th January, 2015

District: Lunglei Period: 28 January - 01, February, 2015

Bulletin No: -487/2015/ Bulletin/English

	1975				
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	MAIL O. COD	0	0	0
Max Temp (oC)	27	28	27	26	25
Min Temp (oC)	6	8	8	6	4
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	91	88	84	84	84
Min RH (%)	21	25	27	31	18
Wind Speed (KmpH)	3	4	4	3	4
*Wind Direction	N-E	N-E	E	N-E	E

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

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

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

Weather summary of the past three days

Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup>
February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 4-8°C. Maximum relative humidity is expected in the range of 84-91% and minimum may from 18-31%. Wind direction would be northeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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

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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/	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.
	1		Provide irrigation to the base of the plant.
	/	W ( a )	✓ Fertilizer application in split dose of recommended dose.
	7		✓ Harvest fruits when the flower tips of the
	7	2 5	fruit dehiscent.
Pineapple	Vegetative stage	7	<ul><li>Clean the vicinity of plants by weeding and</li></ul>
ттеарріс	MAMIT		loosen up the soil.
	2		o Remove slips and use it as a new planting
	ς	( AIZAVVL )	material.
	\	5	o Sucker dipping treatment with Bavistin @
	1		3g + Chloropyriphos @ 1 g/lt of water to
		(1 1) 20	protect against soil borne disease and
	1 6		insect.
	1)	-	<ul> <li>Weeding and intercultural operation.</li> </ul>
		SERCHHI	
Cucurbits	Vegetative stage	V L	Land is ploughed to a fine tilth and pits of
	3	5	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	respectively. Well rotten FYM should be
	1		applied in pits and filled with top soil up to
	7	A 82	3/4th height and 2-3 seeds will be sown in
			each pit.
			In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		-	below soil at a spacing of 3.5 x 2.0 m.
			♣ Polythene nursery raising can be done/
		LAWNGTLAL	initiate
		Damping off and A	
		Blight Blight	Trichoderma viride 4g+ metalaxyl 4g
		12 1	(Apron)/ kg seed

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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



Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>			
			* Fertilizer application in split dose of			
		for the same	recommended dose.			
	7.7	/ 3	<ul> <li>Provide irrigation to the plant.</li> </ul>			
	1 1	<b>Damping off</b> ✓ Seed treatment with thiram 3g/kg seed or				
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g			
	1,	(Apron)/ kg seed				
	)	(A/S)	✓ Drenching 1% Bordeaux mixture or 2 g			
	5		captan or 3 copper oxychloride/ lt of water			
	1		at 10-15 DAS are effective.			
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of			
	\$	blotch	water or Bavistin @ 1g/litre of water, 2-3			
	J MAMIT	1	sprayings should be given forthnightly			
	8	LAIZAWL 10	intervals.			
			o Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.			
Rice	Harvesting stage		✓ Harvest rice crop			
Nice	Hai vesting stage	1	✓ Cut residue 20 cm from the base.			
	) &		✓ Open the furrow with the help of furrow			
			opener.			
		SERCHHI				
	Y	V~~	✓ Place the seed and cover by soil.			
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.			
		Reproductive	1 / /			
		Respiratory	3			
		Syndrome (PRRS).	4			
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2			
	2 7		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	1 63 3	◆ Primary vaccination 6 month or above			
		Y	Revaccination annually			
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B			
			vaccine for adult birds.			
	Early stage	Coccidiosis Coccidiosis	1. Amprolium or coccidiostat			

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



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LAWNGTLAL

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



Date of issue: 27th January, 2015

District: Mamit Period: 28 January - 01, February, 2015

Bulletin No: -487/2015/ Bulletin/English

	0.5%				
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	0.00	0	0	0
Max Temp (oC)	27	28	27	26	25
Min Temp (oC)	6	7	9	4	3
Cloud Coverage	Clear sky				
Max RH (%)	96	95	95	93	89
Min RH (%)	27	27	26	32	21
Wind Speed (KmpH)	2	2	4	2	3
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

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

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

Weather summary of the past three days

Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup>
February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 3-9°C. Maximum relative humidity is expected in the range of 89-96% and minimum may from 21-32%. Wind direction would be easterly with the wind speed of 2-4 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	<ul> <li>Prune the diseased and dead twigs.</li> </ul>
Mandarin		LAWNGTLAL	<ul> <li>Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> </ul>
		1 2 1 5	• For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water.

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



Banana  Vegetative/ harvesting  Remove water sucker, keep 1 or 2 plants in a single place.  ✓ Remove sword sucker and use it as new planting material.  ✓ Provide irrigation to the base of the plant.				• Excess water removes from the base of the plant.
Remove sword sucker and use it as new planting material.   Provide irrigation to the base of the plant.   Provide irrigation to the base of the plant.   Provide irrigation 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.   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 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.	Banana			Remove water sucker, keep 1 or 2 plants in a
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/t 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, 2.0-2.5s 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 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		narvesting	KOLASIB	✓ Remove sword sucker and use it as new
Pineapple  Vegetative stage  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 ABIght  Pamping off and ABIght  Vegetative stage  Vegetative st		}	Ls 5	✓ Fertilizer application in split dose of
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		}	84	✓ Harvest fruits when the flower tips of the
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  Blight	Pineapple	li de ricerca de la composición della composició		
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 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 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		{	AIZAVIL O	FIGURE NITE ALL
Cucurbits  Vegetative stage  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 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  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		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 are made at a spacing of 2.0-2.5x 2.0-2.5 m, 2.0-2.5x 1.0-2.0 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 ABBlight  ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		10	7	insect.
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 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g			SERCHHI	o Provide irrigation to the plant.
2.0-2.5x 1.0-2.0 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  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g	Cucurbits	Vegetative stage	V	60 cm diameter and 30-45cm depth are
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 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		1		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
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  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		3	LUNGLEI	respectively. Well rotten FYM should be
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 → Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g		7	n 6~	3/4th height and 2-3 seeds will be sown in
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 ✓ Seed treatment with thiram 3g/kg seed or Blight Trichoderma viride 4g+ metalaxyl 4g		1	2	
Polythene nursery raising can be done/ initiate  Damping off and □ Seed treatment with thiram 3g/kg seed or Blight Trichoderma viride 4g+ metalaxyl 4g			3 (3)	with broad end downwards, 2/3rd portion
Blight Trichoderma viride 4g+ metalaxyl 4g			LAWNGTLAL	♣ Polythene nursery raising can be done/
			Damping off and [A	Trichoderma viride 4g+ metalaxyl 4g

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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)



## Serviting stage    Disease:   Disease:   Disease:   Disease:   Damping off-				✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Disease: Damping off-   Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.   Sulfur fungicides can be used to control this pest.   Trilling into bower structure.   Weeding near the plant   Draining of excess water and preparation mound near the base.   Vegetative stage   Card formation stage   Application of Nitrogenous fertilizer urea in card formation stage.   Provide irrigation to the plant.   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.   Provide irrigation in the field.   Provide irrigation in the fiel	Brinjal	Fruiting stage	3	
Disease: Damping off-  Damping off-  Pest: Mites and hoppers-  Cowpea  Fruiting stage  Scab and leaf blight disease  Card formation stage  Card formation stage  Card formation stage  Damping off  Scab treatment with captan, thiram or chlorothalonil will effectively control this disease.  Scab and leaf blight disease  Card formation stage  Card formation stage  Card formation stage  Damping off  Screen  Provide irrigation to the plant.  Sulfur fungicides can be used to control this pest.  Trilling into bower structure.  Weeding near the plant  Provide irrigation to the plant.  Scab and leaf blight disease  Card formation stage.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Mustard sawfly  Mustard sawfly  Mustard sawfly  Flowering stage				
Disease: Damping off- Damping off-  Pest: Mites and hoppers- Mites and hoppers-  Cowpea  Fruiting stage  Scab and leaf blight disease  Card formation stage  Card formation stage  Card formation stage  Damping off  Application of Nitrogenous fertilizer urea in card formation stage.  Perovide irrigation to the plant.  Seed treatment with captan, thiram or chlorothalonial will effectively control this disease.  Scab and leaf blight disease  Card formation stage  Vegetative stage  Card formation stage  Provide irrigation to the plant.  Seed treatment with captan, thiram or chlorothalonial will effectively control this disease.  Scab and leaf blight disease  Veeding near the plant  Seed treatment with captan, thiram or chlorothalonial will effectively control this disease.  Sufficiency  Veeding near the plant.  Seed treatment with captan, thiram or chlorothalonial will effectively.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Seed treatment with captan, thiram or chlorothalonial will effectively.  Weeding near the plant  Seed treatment with captan, thiram or chlorothalonial will effectively.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Seed treatment with captan, thiram or chlorothalonial will effective.  Provide irrigation to the plant.  Application of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Application of Sordaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Weeding near the plant.  Provide irrigation of carbofuran 3G @ 100g/m² in nursery is quite effective.  Weeding near the plant.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrig		35.	KOLASIB	
Cowpea   Fruiting stage   Pest: Mites and hoppers   Scab and leaf blight disease   Weeding near the plant   Damping off   Vegetative stage   Card formation stage   Provide irrigation in the field.   Provide irrigation in the		1	(	
Pest:   Mites and hoppers		1		
Cowpea  Fruiting stage  Scab and leaf blight disease  Card formation stage  Damping off  Damping off  Weeding near the plant  Draining of excess water and preparation mound near the base.  Use of resistant varieties.  Application of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Mustard sawfly  Mustard sawfly  Mustard and toria  Flowering stage  Flowering Stage  Flowering Stage  Applid  Aphid  Aphid  On In case of aphid infestation apply		\$	Damping off-	
Cowpea  Fruiting stage  Cowpea  Fruiting stage  Scab and leaf blight disease  Card formation stage  Card formation stage  Sercitive  Provide irrigation to the plant.  Weeding near the plant  Use of resistant varieties.  Application of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  Weeding near the plant.  Weeding near the plant.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  (Apron)/ kg seed  Card formation stage.  Provide irrigation of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Mustard sawfly  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Provide irrigation in the field.  Top dressing with urea if available or apply cow dung.  Weeding in the pea plot.  Provide irrigation in the field.  Top dressing with urea if available or apply cow dung.  Weeding in the pea plot.  Provide irrigation in the field.  Top dressing with urea of applid infestation apply		<u> </u>	STATE	
Cowpea  Fruiting stage ↑  Cowpea  Fruiting stage ↑  Fruiting into bower structure.  Weeding near the plant  Draining of excess water and preparation mound near the base.  ✓ Use of resistant varieties.  Frowide irrigation to the plant.  Fruiting into bower structure.  Weeding near the plant  Frowide irrigation to the plant.  Frowide irrigation in the field.				
Weeding near the plant Draining of excess water and preparation mound near the base.  Vegetative stage  Card formation stage  Card formation stage  Application of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  Provide irrigation to the plant.  Weeding near the plant.  Provide irrigation to the plant.  Weeding near the plant.  Weeding near the plant.  Provide irrigation to the plant.  Weeding near the plant.  Weeding near the plant or a read formation stage.  Provide irrigation to the plant.  Weeding near the plant or a read formation stage.  Provide irrigation to the plant.  Weeding near the plant or a read formation stage.  Provide irrigation of Carbofuran 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Pronching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ It of water at 10-15 DAS are effective.  Mustard sawfly  Mustard sawfly  Weeding in the toria plot.  Provide irrigation in the field.  Top dressing with urea if available or apply cow dung.  Weeding in the pea plot.  Provide irrigation in the field.  Provide irrigation in the field.  Provide irrigation in the field.			Mites and hoppers-	
Draining of excess water and preparation mound near the base.    Scab and leaf blight disease	Cowpea	Fruiting stage		- /
Scab and leaf blight disease  Early Cole crop Vegetative stage Card formation stage  Damping off Early Cole crop Vegetative stage Card formation stage in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  Damping off Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Application of Nitrogenous fertilizer urea in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  Damping off Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Apronching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Mustard sawfly Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Mustard and toria O Weeding in the toria plot.  Provide irrigation in the field.  Top dressing with urea if available or apply cow dung.  Weeding in the pea plot.  Provide irrigation in the field.  Aphid O In case of aphid infestation apply		5	AIZAVIL 10	
Scab and leaf blight disease   ✓ Use of resistant varieties.			V	
Card formation stage   Application of Nitrogenous fertilizer urea in card formation stage.   Provide irrigation to the plant.   Weeding near the plant.   Weeding near the plant.   Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed   Provide irrigation to the plant.   Provide irrigation to the plant.   Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed   Provide irrigation or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.   Application of carbofuran 3G @ 100g/m² in nursery is quite effective.   Provide irrigation in the field.   Orogenitary Top dressing with urea if available or apply cow dung.   Provide irrigation in the field.   Provide i				
Card formation stage   SERCHHI		λ.		✓ Use of resistant varieties.
in card formation stage.  Provide irrigation to the plant.  Weeding near the plant.  ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Mustard sawfly ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Mustard and toria  Flowering stage ✓ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung.  Pea  Flowering Stage ✓ Weeding in the pea plot. ✓ Provide irrigation in the field. ○ In case of aphid infestation apply				
## Provide irrigation to the plant.    Weeding near the plant.   Weeding near the plant.	Early Cole crop	Vegetative stage	Card formation stage	
Damping off  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.  Mustard sawfly  Mustard sawfly  Mustard sawfly  Flowering stage  Pea  Flowering Stage  Flowering Stage  Aphid  Provide irrigation in the field.		11		
Damping off			SERCHHI	
Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Mustard sawfly  Mustard sawfly  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Weeding in the toria plot.  Provide irrigation in the field.  Top dressing with urea if available or apply cow dung.  Pea  Flowering Stage  Flowering Stage  Aphid  Aphid  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.  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  O Weeding in the toria plot.  Provide irrigation in the field.  Aphid  O In case of aphid infestation apply			Vila	
(Apron)/ kg seed  ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  ✓ Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  ✓ Weeding in the toria plot. ○ Provide irrigation in the field. ○ Top dressing with urea if available or apply cow dung.  ✓ Weeding in the pea plot. ✓ Provide irrigation in the field.		\ \\	Damping off	8-8
Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.    Mustard sawfly			100	
captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Mustard sawfly  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Weeding in the toria plot.  Provide irrigation in the field.  Top dressing with urea if available or apply cow dung.  Pea  Flowering Stage  Flowering Stage  Aphid  Aphid  Top dressing with urea if available or apply cow dung.  ✓ Weeding in the pea plot.  ✓ Provide irrigation in the field.				
captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Mustard sawfly  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Mustard and toria  Flowering stage  O Weeding in the toria plot. O Provide irrigation in the field. O Top dressing with urea if available or apply cow dung.  Pea  Flowering Stage  V Weeding in the pea plot. ✓ Provide irrigation in the field. ✓ Provide irrigation in the field. ✓ Provide irrigation in the field.			LUNGLEI	
Mustard sawfly  Application of carbofuran 3G @ 100g/m² in nursery is quite effective.  Mustard and toria  Flowering stage  O Weeding in the toria plot. O Provide irrigation in the field. O Top dressing with urea if available or apply cow dung.  Pea  Flowering Stage  ✓ Weeding in the pea plot. ✓ Provide irrigation in the field.  Aphid O In case of aphid infestation apply			ALERVA ETERNIT	
Mustard and toria  Pea  Flowering Stage  Aphid  Flowering Stage		27	0	
Mustard and toria       Flowering stage       ○ Weeding in the toria plot.         Provide irrigation in the field.       ○ Top dressing with urea if available or apply cow dung.         Pea       Flowering Stage       ✓ Weeding in the pea plot.         ✓ Provide irrigation in the field.       ✓ Provide irrigation in the field.         Aphid       ○ In case of aphid infestation apply			Mustard sawfly	
toria  O Provide irrigation in the field. O Top dressing with urea if available or apply cow dung.  Pea  Flowering Stage  ✓ Weeding in the pea plot. ✓ Provide irrigation in the field.  Aphid O In case of aphid infestation apply		1	3	ÿ <u>1</u>
Pea Flowering Stage  F	Mustard and	Flowering stage	1900	-
Pea Flowering Stage Cow dung.  Veeding in the pea plot. ✓ Provide irrigation in the field.  Aphid o In case of aphid infestation apply	toria			AL I
Pea Flowering Stage ✓ Weeding in the pea plot. ✓ Provide irrigation in the field.  Aphid o In case of aphid infestation apply				
Aphid Provide irrigation in the field.  Aphid o In case of aphid infestation apply				
Aphid o In case of aphid infestation apply	Pea	Flowering Stage	A CONTRACTOR OF THE PROPERTY O	
Imidachloprid 1.5ml/lt of water.			<b>Aphid</b>	1
			V Car	Imidachloprid 1.5ml/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)



Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>			
			* Fertilizer application in split dose of			
		The second	recommended dose.			
	- 7	/ 3	<ul> <li>Provide irrigation to the plant.</li> </ul>			
	1 1	<b>Damping off</b> ✓ Seed treatment with thiram 3g/kg seed or				
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g			
	1	(Apron)/ kg seed				
	)	WS )	✓ Drenching 1% Bordeaux mixture or 2 g			
	5		captan or 3 copper oxychloride/ lt of water			
	1		at 10-15 DAS are effective.			
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of			
	K	blotch	water or Bavistin @ 1g/litre of water, 2-3			
	7 MAMIT	1	sprayings should be given forthnightly			
	8	¿ AIZAVIL 10	intervals.			
			<ul> <li>Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.</li> </ul>			
Rice	Harvesting stage		✓ Harvest rice crop			
Nice	mai vesting stage	1 1	✓ Cut residue 20 cm from the base.			
	) &		✓ Open the furrow with the help of furrow			
	) )		opener.			
		_ SERCHHI	-			
	Y	V~~	✓ Place the seed and cover by soil.			
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.			
		Reproductive	14			
		Respiratory	7			
		Syndrome (PRRS).	4			
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2			
	2 7		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	1 63 4	♦ Primary vaccination 6 month or above			
		Y	Revaccination annually			
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B			
			vaccine for adult birds.			
	Early stage	Coccidiosis 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)



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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: Serchhip** Period: 28 January - 01, February,

Bulletin No: -487/2015/ Bulletin/English

	100000 00000				
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	MAIL O. COD	0	0	0
Max Temp (oC)	26	26	25	24	24
Min Temp (oC)	5	6	7	4	2
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	93	100	100
Min RH (%)	21	26	29	32	20
Wind Speed (KmpH)	3	4	4	2	4
*Wind Direction	F.	F.	F.	E.	F.

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

(0.00mm)(0.00mm)

(0.00mm)

(0.00mm)

Serchhip-0.00mm

Serchhip-0.00mm

Serchhip-0.00mm

Serchhip-0.00mm (0.00mm)

Date of issue: 27th January, 2015

Weather summary of the past

(0.00mm)

(0.00mm)(0.00mm) Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup>

three days

SERCHHIP February, 2015. There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26°C and 2-7<sup>0</sup>C. Maximum relative humidity is expected in the range of 93-100% and minimum may from 21-32%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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

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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)



		$\Lambda$	• Excess water removes from the base of the plant.
Banana	Vegetative/	File Park	✓ Remove water sucker, keep 1 or 2 plants in a
	harvesting	/	single place.
		1	✓ Remove sword sucker and use it as new
		V semi norm	planting material.
		KOLASIB	✓ Provide irrigation in the base.
	1	100	✓ Fertilizer application in split dose of
	/	~ 3 4 /	recommended dose.
	7		
	1	7 5	✓ Harvest fruits when the flower tips of the
D: 1	<b>T</b> 7		fruit dehiscent.
Pineapple	Vegetative stage		o Clean the vicinity of plants by weeding and
	/ MAMIT	1	loosen up the soil.
	-	AIZAVIL (C	o Remove slips and use it as a new planting
			material.
	1	7	o Sucker dipping treatment with Bavistin @
	1	3 6 6	3g + Chloropyriphos @ 1 g/lt of water to
	\ \	1 3 0	protect against soil borne disease and
	A (**)		insect.
	9.2	-	<ul> <li>Weeding and intercultural operation.</li> </ul>
		SERCHHII	
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
		- Indicate and a little	respectively. Well rotten FYM should be
		0	applied in pits and filled with top soil up to
	<u> </u>	( ~	3/4th height and 2-3 seeds will be sown in
	1		each pit.
			☐ In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portion
		1 -2	below soil at a spacing of 3.5 x 2.0 m.
			♣ Polythene nursery raising can be done/
		LAWNGTLAU	initiate
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed or
		<b>Blight</b>	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
Duinial	Eiti		at 10-15 DAS are effective.
Brinjal	Fruiting stage	1	<ul><li>Weeding near the plant</li><li>Fertilizer application in split dose of</li></ul>
		V COMMITTEE IN	recommended dose.
		KOLASIB	<ul><li>Provide irrigation if require.</li></ul>
		Disease:	o Seed treatment with captan, thiram or
	7	Damping off-	chlorothalonil will effectively control this
	?	Damping on-	disease.
	1	Pest:	Sulfur fungicides can be used to control
	J	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
•		1	♣ Weeding near the plant
		AIZAVVL C	<b>♣</b> 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
	1)		in card formation stage.
		SERCHHI	Provide irrigation if require.
		Vi La	Weeding near the plant.
	4	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	3		captan or 3 copper oxychloride/ lt of water
		S	at 10-15 DAS are effective.
		Mustard sawfly	Application of carbofuran 3G @ 100g/m <sup>2</sup>
			in nursery is quite effective.
Mustard and	Flowering stage	1000	Weeding in the toria plot.
toria		1 63 4	o Provide irrigation in the field.
		Y	o Top dressing with urea if available or apply
<b>D</b>	TU • C:	LAMBETTALAS	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
		SAIHA	✓ Provide irrigation in the field.
		<b>Aphid</b>	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Tomato	Vegetative stage	Land preparation	<ul> <li>Weeding near the plant</li> </ul>
			❖ Fertilizer application in split dose of
			recommended dose.
	( ) ( )	/	<ul><li>Provide irrigation in the plant.</li></ul>
	} \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
	)	(A)	✓ Drenching 1% Bordeaux mixture or 2 g
	ζ.	1 1	captan or 3 copper oxychloride/ lt of water
	<u> </u>		at 10-15 DAS are effective.
	10	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	· E	blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT	(	sprayings should be given forthnightly
	5	AIZAWL C	intervals.
		( ulenue )	o Spraying of Blitox @ 3 g/l of water was
		)	Toulid effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		( ) > 0	✓ Cut residue 20 cm from the base.
	1 6		✓ Open the furrow with the help of furrow
	1)		opener.
		SERCHHI	✓ Place FYM and fertilizer.
		WE'LL	✓ 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).	- 12
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	27	Co.	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 <sub>2</sub> B
		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

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



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SAIHA

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: 28 January - 01, February, 2015

Bulletin No: -487/2015/ Bulletin/English

		E.	64		
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	WAIO CID	0	0	0
Max Temp (oC)	26	26	25	24	24
Min Temp (oC)	5	<u> 5</u>	8	3	2
Cloud Coverage	Clear sky				
Max RH (%)	98	97	97	96	94
Min RH (%)	28	28	27	32	23
Wind Speed (KmpH)	3	3	4	2	3
*Wind Direction	E	E	E	E	Е

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

STATUS OF MONSOON- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

(0.00mm) (0.00mm) (0.00mm

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

Date of issue: 27th January, 2015

Serchhip-0.00mm (0.00mm)

Serchhip-0.00mm (0.00mm)

(0.00mm)

Serchhip-0.00mm (0.00mm)

Weather summary of the past

three days

Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup> February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 24-26°C and 3-8°C. Maximum relative humidity is expected in the range of 94-97% and minimum may from 23-32%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			• Excess water removes from the base of the plant.
Banana	Vegetative/		Remove water sucker, keep 1 or 2 plants in a
	harvesting	1	single place.  ✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	4		Provide irrigation to the base.
	l	W3 (1)	✓ 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
	J' MAMIT	1	loosen up the soil.
	3	AIZAWL C	o Remove slips and use it as a new planting material.
		5	o Sucker dipping treatment with Bavistin @
	λ,	3 8 6	3g + Chloropyriphos @ 1 g/lt of water to
	\ _	1 3 1	protect against soil borne disease and
	15		<ul><li>insect.</li><li>Weeding and intercultural operation.</li></ul>
		SERCHHI	
Cucurbits	Vegetative stage	V	Land is ploughed to a fine tilth and pits of
	5		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
		DUNEY EL	pumpkin, bottle gourd cucumber
	>	LUNGLEI	respectively. Well rotten FYM should be
	1	0	applied in pits and filled with top soil up to
	-	A C	3/4th height and 2-3 seeds will be sown in each pit.
	<u> </u>	P \	☐ In case of chow-chow, fruit are planted ☐ In the choracter of the chor
			with broad end downwards, 2/3rd portion
		1 -71	below soil at a spacing of 3.5 x 2.0 m.
		1. MARIOTE ALS	Polythene nursery raising can be done/initiate
		Damping off and IA	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		I J	(Apron)/ kg seed

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			✓ 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	/	<ul> <li>Weeding near the plant</li> </ul>
	) \	5	❖ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1		Provide irrigation in the plant.
		Disease:	<ul> <li>Seed treatment with captan, thiram or</li> </ul>
	(	Damping off-	chlorothalonil will effectively control this
	¥		disease.
	1	Pest:	<ul> <li>Sulfur fungicides can be used to control</li> </ul>
		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	<b>Card formation stage</b>	Application of Nitrogenous fertilizer urea
	1)		in card formation stage.
		SERCHHI	❖ Provide irrigation to 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.
	<b>\</b>	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			<ul> <li>Provide irrigation in the field.</li> </ul>
			• 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.
		<b>Aph</b> id	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
		W Del A	

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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
		A CONTRACTOR	recommended dose.
	7.7	1	<ul> <li>Provide irrigation to the plant.</li> </ul>
	) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	- t		(Apron)/ kg seed
	)	(A)	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	<b>(</b>	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
			Touliu 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	<ul><li>✓ Place the seed and cover by soil.</li><li>1. Culling of positive pigs or piglets.</li></ul>
Pig	All stages	Reproductive	1. Culling of positive pigs of piglets.
		Respiratory	
		Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	riddit stage	Swine rever	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 <sub>2</sub> B
J		LAWNGTLAL	vaccine for adult birds.
	Early stage	Coccidiosis	Amprolium or coccidiostat
	zazy suge	COCCIONIO	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LAWNGTLAL

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Date of issue: 27th January, 2015

District: Champhai Period: 28 January - 01, February, 2015

Bulletin No: -487/2015/ Bulletin/English

	10.7%	186	1.4		
Parameters	28.01.2015	29.01.2015	30.01.2015	31.01.2015	01.02.2015
Rainfall (mm)	0	MAI O CID	0	0	0
Max Temp (oC)	25	26	25	24	23
Min Temp (oC)	5	<u>7</u>	9	5	2
Cloud Coverage	Clear sky				
Max RH (%)	98	96	91	95	98
Min RH (%)	29	29	29	31	26
Wind Speed (KmpH)	4	4	4	4	3
*Wind Direction	5-E	S-E	S-E	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- December 1-31, 2014 (Percent of deviation from normal in parenthesis)

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

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

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

Weather summary of the past three days

Weather forecast valid from 28<sup>th</sup> January, 2015 To 01<sup>st</sup>
February, 2015.

There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 23-26°C and 2-9°C. Maximum relative humidity is expected in the range of 91-98% and minimum may from 26-31%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Clear sky 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	<ul> <li>Prune the diseased and dead twigs.</li> </ul>
Mandarin		LAWNGTLAN	<ul> <li>Wound dressing with Bordeaux paste and mulch with dry grass to conserve moisture and suppress the growth of weed.</li> </ul>
		1 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	1	single place.  ✓ Remove sword sucker and use it as new planting material.
	(	KOLASIB	✓ Provide irrigation in the base.
	1	W3 (a)	✓ Fertilizer application in split dose of recommended dose.
	3		✓ 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	<ul> <li>Remove slips and use it as a new planting material.</li> </ul>
	\	1	o Sucker dipping treatment with Bavistin @
	1	3 26	3g + Chloropyriphos @ 1 g/lt of water to
	\ \ \	1 3 1	protect against soil borne disease and insect.
	15		<ul><li>Weeding and intercultural operation.</li></ul>
		SERCHHI	
Cucurbits	Vegetative stage	V (-)	Land is ploughed to a fine tilth and pits of
	4		60 cm diameter and 30-45cm depth are
		1/2	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
		DUMPLE ED	pumpkin, bottle gourd cucumber
	)	LUNGLEI	respectively. Well rotten FYM should be
	1		applied in pits and filled with top soil up to
	4	0	3/4th height and 2-3 seeds will be sown in
			each pit.
		901	In case of chow-chow, fruit are planted
		1 63 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
		<b>Blig</b> ht	Trichoderma viride 4g+ metalaxyl 4g
		1	(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	<ul> <li>Weeding near the plant</li> </ul>
			❖ Fertilizer application in split dose of
		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
		5	disease.
		Pest:	Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage	1 2	♣ Trilling into bower structure.
	5	AIZAVVL C	Weeding near the plant
			■ Draining of excess water and preparation
			mound near the base.
	1	Scab and leaf blight disease	✓ Use of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	Application of Nitrogenous fertilizer urea
	1)		in card formation stage.
		SERCHHI	
		Vi 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	✓ Drenching 1% Bordeaux mixture or 2 g
	5	THE CONTRACTOR	captan or 3 copper oxychloride/ lt of water
	27	Co.	at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m²
	<u>1</u>	3	in nursery is quite effective.
Mustard and	Flowering stage	1901	• Weeding in the toria plot.
toria			o Provide irrigation in the field.
		- N	• 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.
		<b>Aphid</b>	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.

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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.
	( )	/	<ul> <li>Provide irrigation in the plant.</li> </ul>
	) \	Damping off	✓ Seed treatment with thiram 3g/kg seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed
	)	(A/S)	✓ Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
	1	T. 0	at 10-15 DAS are effective.
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre of
	Summer	blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	/ MAMIT	1	intervals.
	3	( AIZAVIL )	o Spraying of Blitox @ 3 g/l of water was
			found effective against leaf spot.
Rice	Harvesting stage		✓ Harvest rice crop
		1 585	✓ Cut residue 20 cm from the base.
	1 6		✓ Open the furrow with the help of furrow
	) )		opener.
		SERCHHI	
		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 gas a	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			Primary vaccination 6 month or above
			* Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R <sub>2</sub> B
		LAWNGTLAV	vaccine for adult birds.
	Early stage	<b>Coccidiosis</b>	1. Amprolium or coccidiostat

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