

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtalai

Period:	3	-	7,	January,	2015
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Bulletin No: -48	0/2015/ Bulletin/	English	Date of	issue: 2 nd Jan	1ary, 2015	
Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015	
Rainfall (mm)	0	wai Quein	5	0	0	
Max Temp (oC)	23	28	27	25	24	
Min Temp (oC)	14	13	12	8	6	
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	93	98	98	94	93	
Min RH (%)	67	50	51	46	31	
Wind Speed (Km)		3	4	6	6	
*Wind Direction	E	E	N-E	N-E	E	
	Northerly- N, Nort	h-Easterly- <mark>N-E</mark> , E	asterly- E, Soutl		I	
	Southerly- S, South	n-Westerly- <mark>S-W</mark> , W	esterly-W, North	h-westerly- N-W.		
STATUS OF MON	NSOON- December 1-3	1, 2014 (Percent of d	leviation from norm	nal in parenthesis)		
Kolasib- 0.00	mm Champha	i- 0.00 mm	Mamit-0.00 m	m Aizav	wl-0.00 mm	
(0.00	(mm)	(0.00mm)	(0.00m	im)	(0.00mm)	
Serchhip-0.00)mm Lawngtal	ia-0.00mm	Lunglei-0.00m	m Chhimt	uipui-0.00mm	
(0.00	mm) 🛛 🚶 🏊	(0.00mm)	(0.00m		(0.00mm	
Weather summary of the past Weather forecast valid from 03 rd January, 2015 To				. 2015 To 07 th		
	e days			v. 2015.	,	
thit		There is a chance of rainfall during the next 1 day. The maximum and				
		minimum temperatures for the next 5 days may range for $23-28^{\circ}$ C and $6-14^{\circ}$ C. Maximum relative humidity is expected in the range of 93-98%				
		and minimum may from 31-67%. Wind direction would be northeasterly				
		with the wind speed of 3-6 km per hour. Clear sky will prevail during				
	4	the next five days.	1			
		Sec. 19	and a			
	-			<i>e rainfall:</i> 05.0 m		
Main Crop/	Stage	Cultural practic	ces/ Agric	ultural / Horticu	tural/ animal	
Animal		Pest/ Diseases	6)	husbandry adv	isories	
/Fisheries	5	(1)	(
Khasi	Vegetative stage	Canker	• Prune th	ne diseased and de	ad twigs.	
Mandarin	0 0	A second s	Charge and	l dressing with B	0	
		LAWNGTLAK	mulch y	with dry grass to		
		f si		press the growth o		
		in the second second		nker, spray stre xycholoride 8 g /1		

1 | P a g e



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		0	• Excess water removes from the base of the
			plant.
Banana	Vegetative/		\checkmark Remove water sucker, keep 1or 2 plants in
	harvesting	1 3	single place.
	1 1-2	5	\checkmark Remove sword sucker and use it as ne
		KOLASIB	planting material.
	1	1	\checkmark Provide irrigation to the base of the plant.
		WA DO	✓ Fertilizer application in split dose of
	5	211	recommended dose.
	(E	\checkmark Harvest fruits when the flower tips of the
	1		fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	7 MAMIT		loosen up the soil.
	S	AIZAWL C	• Remove slips and use it as a new planting
	N	Commence 1-	material.
			• Sucker dipping treatment with Bavistin
	2	1 8 1	3g + Chloropyriphos @ 1 g/lt of water
			protect against soil borne disease ar
	1 1 1	~ 1	insect.
	12		• Weeding and intercultural operation.
		SERCHHI	0 1
Cucurbits	Vegetative stage	V La	Land is ploughed to a fine tilth and pits of
	5		60 cm diameter and 30-45cm depth at
			made at a spacing of 2.0-2.5x 2.0-2.5 r
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
		LUNGLEI	pumpkin, bottle gourd cucumb
	5		respectively. Well rotten FYM should b
		S	applied in pits and filled with top soil up
		A 10-	3/4th height and 2-3 seeds will be sown
			each pit.
		1 m r l	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		A LI Y	below soil at a spacing of 3.5 x 2.0 m.
		Y I	 Polythene nursery raising can be don
		LAWNGTLAL	initiate
		Damping off and	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		Dugut	(Apron)/ kg seed



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

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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
		Sector Sector	recommended dose.
	51	1 3	 Provide irrigation to the plant.
	110	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
		1. 0	(Apron)/ kg seed
	1	~~)	\checkmark Drenching 1% Bordeaux mixture or 2 g
	5		captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	Sama	blotch	water or Bavistin @ 1g/litre of water, 2-3
	/ MAMIT	N	sprayings should be given forthnightly intervals.
	20	(AIZAWIL)	• Spraying of Blitox @ 3 g/l of water was
		1	found effective against leaf spot.
Rice	Harvesting stage	5	✓ Harvest rice crop
Inte	har vesting stage	1 545	\checkmark Cut residue 20 cm from the base.
		~ 1 ~	\checkmark Open the furrow with the help of furrow
	3.5		opener.
	6	SERCHH	✓ Place FYM and fertilizer.
		W L	\checkmark Place the seed and cover by soil.
Pig	All stage <mark>s</mark>	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	4
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
~			months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every 6
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV).
		1 4 4	 Primary vaccination 6 month or above
D 14		Destille of D	• Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	Forly store	Coccidiosis	1. Amprolium or coccidiostat
	Early stage	Cocciulosis	
		1	~

4 | P a g e



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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)



2015

Period: 3 – 7, January,

District: Lunglei

Bulletin No: -480	0/2015/ Bulletin/I	English	Date of	f issue: 2 nd Jan	uary, 2015
Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015
Rainfall (mm)	0	KOLOSIB	9	0	0
Max Temp (oC)	20	27	26	24	23
Min Temp (oC)	12	12	10	4	2
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	98	- 99	99	98	97
Min RH (%)	92	50	54	45	31
Wind Speed (Km)	p H) 3	2	2	3	4
*Wind Direction	E	E	E	Е	E
	Northerly- N, Nort				
	Southerly- S, South				
	SOON- December 1-3				
Kolasib- 0.00			Kolasib- 0.00 1		sib- 0.00 mm
(0.00		(0.00mm)	(0.001		(0.00mm)
Serchhip-0.00			Serchhip-0.00		hip-0.00mm
					(0.00mm)
Weather sum	mary of the past	Weather fore	ecast valid fro	m 03 rd January	^v , 2015 To 07 th
three days SERCHHIP January, 2015.					
There is a chance of rainfall during the next 1 day. The maximum ar minimum temperatures for the next 5 days may range for 20-27 ^o C ar 2-12 ^o C. Maximum relative humidity is expected in the range of 97-99 ^o and minimum may from 31-92%. 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: 09.0 mm					
Main Crop/	Stage	Cultural practic		cultural / Horticu	
Animal	Juge	Pest/ Diseases		husbandry adv	
/Fisheries	ł.	I COV DIDUDUS	1	massandi y duv	
Khasi	Vegetative stage	Canker	Drupo f	he diseased and de	ad twice
Mandarin	regenant suge	LAWNGTLAN	• Wound mulch	d dressing with B with dry grass to oppress the growth of	ordeaux paste an conserve moistur
		121	• For ca	anker, spray stre oxycholoride 8 g /2	eoptomycin 2g
		Y N	P		1 P a g e



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		2	• Excess water removes from the base of the
Banana	Vegetative/ harvesting		 plant. ✓ Remove water sucker, keep 1or 2 plants in a single place.
		KOLASIB	✓ Remove sword sucker and use it as new planting material.
	4	NOLROID	\checkmark Provide irrigation to the base of the plant.
	1	ma)	 ✓ Fertilizer application in split dose of recommended dose.
	3		\checkmark Harvest fruits when the flower tips of the
		$\langle \rangle \rangle$	fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding and loosen up the soil.
	ξ	AIZAWL	• Remove slips and use it as a new planting
	1	Contraction of the Contraction o	material.
	1	1 1 1 1	 Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to
	1	1 2	protect against soil borne disease and
	1.5	~ /	insect.Weeding and intercultural operation.
	6	SERCHHI	 Provide irrigation to the plant.
Cucurbits	Vegetative stage	w in	4 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
	1		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		LUNGLEI	respectively. Well rotten FYM should be
	1	~	applied in pits and filled with top soil up to
	7	a (~	3/4th height and 2-3 seeds will be sown in
		Pha I	each pit. In case of chow-chow, fruit are planted
		$\langle 1 \rangle$	with broad end downwards, 2/3rd portion
		1 ~ 1	 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 Triabodarme virida 4g ⊨ metalayyi 4g
		Blight	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
	J	2015	2 P a g e



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1			
		0	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		5	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	 Weeding near the plant
	2 No.	6	✤ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	1	 Provide irrigation to the plant.
		Disease:	• Seed treatment with captan, thiram or
	(Damping off-	chlorothalonil will effectively control this
	1		disease.
		Pest:	• Sulfur fungicides can be used to control
	1	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
-	5	AIZAWL C	Weeding near the plant
	- N	Culenne 1.	4 Draining of excess water and preparation
	1	5	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	 Application of Nitrogenous fertilizer urea
	12		in card formation stage.
	2	SERCHHI	Provide irrigation to the plant.
		V La	✤ Weeding near the plant.
	5	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		captan or 3 copper oxychloride/ lt of water
	2.4	0	at 10-15 DAS are effective.
	2 C	Mustard sawfly	• Application of carbofuran 3G @ $100g/m^2$
			in nursery is quite effective.
Mustard and	Flowering stage	S 9 al	• Weeding in the toria plot.
toria			• Provide irrigation in the field.
		1 Y 1	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAY	\checkmark Weeding in the pea plot.
		- SAIHA	✓ Provide irrigation in the field.
		Aphid (1997)	o In case of aphid infestation apply
		1211	Millioprid 1.5ml/lt of water.
		R N N	
			3 P a g e



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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
	[A CONTRACTOR	recommended dose.
		1 3	 Provide irrigation to the plant.
	1 1	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4	1	(Apron)/ kg seed
)	WS	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
	1	SEL	at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-
	J MAMIT	1 2	sprayings should be given forthnightl
	8	LAIZAVIL IC	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
D'	TT (*	1	found effective against leaf spot.
Rice	Harvesting stage	1 66	 ✓ Harvest rice crop ✓ Cut residue 20 cm from the base.
	1	1 1 1	
	1		✓ Open the furrow with the help of furrov opener.
	0	SERCHHI	✓ Place FYM and fertilizer.
		12-1	\checkmark Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
116	in stages	Reproductive	1. Curing of positive pigs of piglets.
	4	Respiratory	
		Syndrome (PRRS).	2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
			months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
			 Primary vaccination 6 month or above
		1 20 1	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R_2
•		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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LAWNGTLAL SAIHA

5 | P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



2015

Period: 3 – 7, January,

District: Mamit

Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015
Rainfall (mm)	0	0	4	0	0
Max Temp (oC)	21	27	25	25	24
Min Temp (oC)	14	13	12	<u> </u>	5
Cloud Coverage	Mainly cloudy	and the second se			•
Max RH (%)		Clear sky	Clear sky	Clear sky	Clear sky
	99	99	99	98	97
Min RH (%)	87	58	75	49	44
Wind Speed (Kmp	•	2	4	2	4
*Wind Direction	S EAMIT	E	S	E	S-E
	Northerly- N, North				
	Southerly- S, South				
	SOON- December 1-3				1 0 00 mm
Kolasib- 0.00			Kolasib- 0.00 n		sib- 0.00 mm
(0.00		(0.00mm)	(0.00n		(0.00mm)
Serchhip-0.00			Serchhip-0.00r		hip-0.00mm
(0.00)		(0.00mm)	(0.00m		(0.00mm)
Weather sum	mary of the past	t Weather forecast valid from 03 rd January, 2015 To 07 ^t			
thre	e days	SER	CHHIP Januar	ry, 2015.	
	Z	There is a chance minimum tempera 5-14 ^o C. Maximum and minimum southeasterly with will prevail during	atures for the nex n relative humidit may from 44-3 n the wind speed g the next five day	t 5 days may rang y is expected in th 87%. Wind dire of 2-4 km per ho	ge for 21-27 ⁰ C ar le range of 97-99 ection would b our. Dense cloud
Main Crop/	Stage	Cultural practi		cultural / Horticul	
Animal /Fisheries	Juge	Pest/ Disease	0	husbandry adv	
Khasi	Vegetative stage	Canker	• Prune t	he diseased and de	ad twigs.
Mandarin	0 0	LAWNGTLAN	• Wound mulch	l dressing with B with dry grass to press the growth o	ordeaux paste ar conserve moistu



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 th
			blant.
Banana	Vegetative/		Remove water sucker, keep 1or 2 plants in
	harvesting		single place.
			Remove sword sucker and use it as new
			blanting material.
	1	A state of the	Provide irrigation to the base of the plant.
		√ H	Fertilizer application in split dose of
	5		recommended dose.
	(L I ✓ I	Harvest fruits when the flower tips of the
		f	ruit dehiscent.
Pineapple	Vegetative stage	0	Clean the vicinity of plants by weeding an
	7 MAMIT	1	loosen up the soil.
	S.	AIZAVIL CHAR	Remove slips and use it as a new plantir
	N	Summer land	material.
			Sucker dipping treatment with Bavistin
	1		3g + Chloropyriphos @ 1 g/lt of water
			protect against soil borne disease ar
	1 K. C		insect.
	12		Weeding and intercultural operation.
	- F		Provide irrigation to the plant.
Cucurbits	Vegetative stage		Land is ploughed to a fine tilth and pits
	1		60 cm diameter and 30-45cm depth a
			made at a spacing of 2.0-2.5x 2.0-2.5 r
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
			pumpkin, bottle gourd cucumb
	1		respectively. Well rotten FYM should l applied in pits and filled with top soil up
			3/4th height and 2-3 seeds will be sown
			each pit.
			In case of chow-chow, fruit are planted
			with broad end downwards, 2/3rd portio
			below soil at a spacing of $3.5 \times 2.0 \text{ m}$.
			Polythene nursery raising can be don
			initiate
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		201	
		VIN P	2 P a g e



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Guwahati)



,			
		0	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		5	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	 Weeding near the plant
-		6	✤ Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1		 Provide irrigation to the plant.
		Disease:	• Seed treatment with captan, thiram or
	(Damping off-	chlorothalonil will effectively control this
	(disease.
	1	Pest:	• Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		Trilling into bower structure.
•		1	✤ Weeding near the plant
		AIZAWIL C	4 Draining of excess water and preparation
		5	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	~	disease	
Early Cole crop	Vegetative stage	Card formation stage	 Application of Nitrogenous fertilizer urea
	8		in card formation stage.
	6	SERCHHI	
			• Weeding near the plant.
		Damping off	\checkmark Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
	1	LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	<u>></u>	FOLGET.	captan or 3 copper oxychloride/ It of water
	1	_	at 10-15 DAS are effective.
	5	Mustard sawfly	✓ Application of carbofuran 3G @ $100g/m^2$
			in nursery is quite effective.
Mustard and	Flowering stage	(by a)	• Weeding in the toria plot.
toria		6 1 5 1	o Provide irrigation in the field.
		1	• 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	• In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
		2015	
		Y L L	3 P a g e

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



Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
			recommended dose.
		1 3	 Provide irrigation to the plant.
	1 1 1-2	Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	1	0	(Apron)/ kg seed
)	WS	✓ Drenching 1% Bordeaux mixture or 2 g
	5	2 1	captan or 3 copper oxychloride/ lt of water
		S L	at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	Commence of the second s	blotch	water or Bavistin @ 1g/litre of water, 2-
	7 MAMIT	1 2	sprayings should be given forthnightl
	5 m	LAIZAVIL IC	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
D'	TT 4°	1	found effective against leaf spot.
Rice	Harvesting stage	1 66	 ✓ Harvest rice crop ✓ Cut residue 20 cm from the base.
		A CN	
	A 5		✓ Open the furrow with the help of furrow opener.
	0	SERCHHI	✓ Place FYM and fertilizer.
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\checkmark$ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
115	rin stuges	Reproductive	r. Cuming of positive pigs of piglets.
		Respiratory	
		Syndrome (PRRS).	S
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
			months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	0 0		<ul> <li>Primary vaccination 6 month or above</li> </ul>
			<ul> <li>Revaccination annually</li> </ul>
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and $R_2$
v	0	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



ICAR RESEARCH COMPLEX FOR NEH REGION

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

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LAWNGTLAL SAIHA



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2015

Period: 3 – 7, January,

#### **District:** Serchhip

		(C)	0.2.0		-
Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015
Rainfall (mm)	0	KOU O SID	11	0	0
Max Temp (oC)	20	26	25	23	23
Min Temp (oC)	11	<u>8</u> 11	9	2	1
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	96	49	52	43	27
Wind Speed (Kmp	<b>H)</b> 3	2	3	2	4
*Wind Direction	E	E	S-E	E	E
STATUS OF MON	Northerly- N, North Southerly- S, South- SOON- December 1-31.	Westerly- S-W, W	esterly-W, North	n-westerly- N-W.	
Kolasib- 0.00 1			Kolasib- 0.00 n		ib- 0.00 mm
(0.00r		0.00mm)	(0.00n		(0.00mm)
Serchhip-0.001			erchhip-0.00n		hip-0.00mm
(0.00n		0.00mm)	(0.00m		(0.00mm)
	nary of the past e days		and the second of the second	n 03 rd January y, 2015.	r, 2015 To 07 th
			tures for the nex relative humidi from 27-96%. W 2-4 km per hou	t 5 days may rang ty is expected in Vind direction wou r. Clear sky will e rainfall: 11.0 m	ge for 20-25 ⁰ C and the range of 1009 ald be easterly with prevail during the <b>m</b>
Main Crop/	Stage	<b>Cultural practic</b>	es/ Agric	ultural / Horticu	ltural/ animal
Animal / /Fisheries		Pest/Diseases		husbandry adv	
Khasi	Vegetative stage	Canker	• Prune th	ne diseased and de	ad twigs.
Mandarin		LAWNGTLAN	• Wound mulch and sup	l dressing with B with dry grass to press the growth o	ordeaux paste an conserve moistur of weed.
	4	Jal		nker, spray stre xycholoride 8 g /1	1 . 0



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



		0	• Excess water removes from the base of the
			plant.
Banana	Vegetative/		✓ Remove water sucker, keep 1or 2 plants in
	harvesting	1 5	single place.
	1 10	T I	$\checkmark$ Remove sword sucker and use it as ne
		KOLASIB	planting material.
	(	1. 0	$\checkmark$ Provide irrigation in the base.
	)	was a larger of	$\checkmark$ Fertilizer application in split dose of
	5	2 1	recommended dose.
	1		$\checkmark$ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	J' MAMIT	1 2	loosen up the soil.
	5	AIZAWL C	• Remove slips and use it as a new plantin
		A COMPANY OF THE OWNER OWNER OF THE OWNER OF THE OWNER	material.
		1	• Sucker dipping treatment with Bavistin (
	2	1 B B V	3g + Chloropyriphos @ 1 g/lt of water t
		1 12	protect against soil borne disease an
	1		insect.
	12		• Weeding and intercultural operation.
	1	SERCHHI	0 1
Cucurbits	Vegetative stage	No bay	Land is ploughed to a fine tilth and pits of
		S	60 cm diameter and 30-45cm depth an
	14		made at a spacing of 2.0-2.5x 2.0-2.5 m
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m fo
		LUNGLEI	pumpkin, bottle gourd cucumbe
	5		respectively. Well rotten FYM should b
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	applied in pits and filled with top soil up t 3/4th height and 2-3 seeds will be sown i
		IA V	each pit.
		P V	4 In case of chow-chow, fruit are plante
		1774	with broad end downwards, 2/3rd portion
		1 LI Y	below soil at a spacing of 3.5 x 2.0 m.
		1 1	 Polythene nursery raising can be done
		LAWNGTLAL	initiate
		Damping off and	\checkmark Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1		



ICAR RESEARCH COMPLEX FOR NEH REGION

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

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



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Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
		A A A A A A A A A A A A A A A A A A A	recommended dose.
		1 3	 Provide irrigation in the plant.
	1 1 1	Damping off	✓ 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	2 1	captan or 3 copper oxychloride/ lt of water
	1	SEL	at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
		blotch	water or Bavistin @ 1g/litre of water, 2-
	J MAMIT	1 2	sprayings should be given forthnightl
	2	A ATZAWIL C	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
D'	TT (*	1	found effective against leaf spot.
Rice	Harvesting stage	1 66	 ✓ Harvest rice crop ✓ Cut residue 20 cm from the base.
	1	1 1 1	
	1.5		✓ Open the furrow with the help of furrov opener.
	0	SERCHHI	✓ Place FYM and fertilizer.
		12-1	\checkmark Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
116	in stages	Reproductive	r. Curing of positive pigs of piglets.
	1	Respiratory	
		Syndrome (PRRS).	2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
	0		months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
		$\langle () \rangle$	 Primary vaccination 6 month or above
		1 20 1	• Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R_2
•		LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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

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

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2015

Period: 3 – 7, January,

District: Aizawl

Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015	
Rainfall (mm)	0	KOOASIR	8	0	0	
Max Temp (oC)	20	26	24	24	23	
Min Temp (oC)	12	11	10	3	2	
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	99	-100	100	99	99	
Min RH (%)	89	56	75	47	41	
Wind Speed (Km		2	4	2	4	
*Wind Direction	E E	S-E	S-E	E	S-E	
	Northerly- N, Nort					
	Southerly- S, South					
STATUS OF MON	SOON- December 1-3					
Kolasib- 0.00			Kolasib- 0.00 m		<mark>ib- 0.00 mm</mark>	
(0.00	mm)	(0.00mm)	(0.00m	m)	(0.00mm)	
Serchhip-0.00)mm Serchhip	-0.00mm	Serchhip-0.00n	nm Serch	hip-0.00mm	
(0.00	mm) 🤍 🛼	(0.00mm)	(0.00m	m)	(0.00mm)	
Weather sum	mary of the past	Weather fore	cast valid fror	n 03 rd January	. 2015 To 07 th	
	e days	SERCHHIP January, 2015.				
tiirt	c uays	There is a chance of rainfall during the next 1 day. The maximum and				
	Z	minimum tempera 3-12 ^o C. Maximum 100% and minim easterly with the v during the next fiv	tures for the next n relative humidi num may from 4 yind speed of 2-4 e days.	5 days may rang ty is expected in 1-89%. Wind di km per hour. Cle	e for 20-26 ⁰ C an the range of 99 frection would b ear sky will preva	
				e <mark>rainfall:</mark> 08.0 mi		
Main Crop/ Animal /Fisheries	Stage	Cultural practic Pest/Diseases	0	ultural / Horticul husbandry advi		
Khasi	Vegetative stage	Canker	• Prune th	e diseased and dea	ad twigs.	
Mandarin • Wound dres					ordeaux paste an conserve moistur f weed.	
				nker, spray stre xycholoride 8 g /1		



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Guwahati)



		~	
			• Excess water removes from the base of the
			plant.
Banana	Vegetative/		\checkmark Remove water sucker, keep 1or 2 plants in
	harvesting	1	single place.
	1 1.2	5	\checkmark Remove sword sucker and use it as ne
		KOLASIB	planting material.
	1	1	\checkmark Provide irrigation to the base.
)	When I	✓ Fertilizer application in split dose of
	S S	2 1	recommended dose.
	()	E	\checkmark Harvest fruits when the flower tips of the
	1		fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	7 MAMIT	X X	loosen up the soil.
	< and the second	Transmiss No.	• Remove slips and use it as a new planting
		AIZAWL C	material.
		5	• Sucker dipping treatment with Bavistin
	1.0		3g + Chloropyriphos @ 1 g/lt of water
	1	1 55	protect against soil borne disease an
		~ 1 5 ~	insect.
	3.3		• Weeding and intercultural operation.
		SERCHHI	
Cucurbits	Vegetative stage	V~ L	Land is ploughed to a fine tilth and pits
			60 cm diameter and 30-45cm depth a
			made at a spacing of 2.0-2.5x 2.0-2.5 1
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m f
		LUNGLEI	pumpkin, bottle gourd cucumb
	S	L'ANGLET.	respectively. Well rotten FYM should l
			applied in pits and filled with top soil up
		a 2~	3/4th height and 2-3 seeds will be sown
		134 1	each pit.
			4 In case of chow-chow, fruit are plant
		2 1 5 1	with broad end downwards, 2/3rd portion
		1 20 1	below soil at a spacing of 3.5 x 2.0 m.
		1	4 Polythene nursery raising can be don
		LAWNGTLAL	initiate
		Damping off and A	✓ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed



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,			
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
		for the second	at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 3	 Weeding near the plant
		5	* Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	I HOLIGIE	 Provide irrigation in the plant.
		Disease:	• Seed treatment with captan, thiram or
	(Damping off-	chlorothalonil will effectively control this
	(disease.
		Pest:	• Sulfur fungicides can be used to control
	and the second sec	Mites and hoppers-	this pest.
Cowpea	Fruiting stage		4 Trilling into bower structure.
•		1	✤ Weeding near the plant
		AIZAWL C	4 Draining of excess water and preparation
		5	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	
Early Cole crop	Vegetative stage	Card formation stage	 Application of Nitrogenous fertilizer urea
			in card formation stage.
		SERCHHI	
		W L	• Weeding near the plant.
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed or
	1	I O	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LUNGLEI	✓ Drenching 1% Bordeaux mixture or 2 g
	2	CONVERT	captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
	4	Mustard sawfly	\checkmark Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	(A A)	• Weeding in the toria plot.
toria	8 8	$\langle \rangle$	• Provide irrigation in the field.
		1 1	• Top dressing with urea if available or apply
		1	cow dung.
Pea	Flowering Stage	LAWNGTLAN	✓ Weeding in the pea plot.
	0 0	/ SAIHA	\checkmark Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
J.		N N N	Al A
		NY NY NY	3 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose o
			recommended dose.
		1 3	 Provide irrigation to the plant.
		Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
	4	1	(Apron)/ kg seed
		WAS DO	✓ Drenching 1% Bordeaux mixture or 2 g
	S S	2 1	captan or 3 copper oxychloride/ lt of water
	<u> </u>		at 10-15 DAS are effective.
	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre o
	2	blotch	water or Bavistin @ 1g/litre of water, 2-3
	7 MAMIT		sprayings should be given forthnightly
	5	LAIZAVUL TO	intervals.
	1	A COMPANY OF THE OWNER O	• Spraying of Blitox @ 3 g/l of water wa
		1	found effective against leaf spot.
Rice	Harvesting stage	3 8 6	✓ Harvest rice crop
		1 1 2	\checkmark Cut residue 20 cm from the base.
	1		\checkmark Open the furrow with the help of furrov
	12		opener.
		SERCHHI	✓ Place FYM and fertilizer.
			✓ Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
	A duilt sto as	Syndrome (PRRS).	2 Magningtion of ning with SE magnings of 2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2.
Cattle		Foot and Mouth	months and yearly interval/6 month interval
Cattle	All age group		• FMD vaccine at 16 week and repeat every (
	Vouet	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	• Black Quarter Vaccine (BQV).
		1 4 4	 Primary vaccination 6 month or above Payageination appually
Doult	A dult stars	Danikhat Diasaa	• Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ H vaccine for adult birds.
	Fouls -4		
	Early stage	Coccidiosis	1. Amprolium or coccidiostat

4 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

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LAWNGTLAL SAIHA



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2015

Period: 3 – 7, January,

District: Champhai

Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015	
Rainfall (mm)	0		8	0	0	
Max Temp (oC)	21	25	24	24	23	
Min Temp (oC)	11	11	10	4	3	
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	-99	99	97	99	
Min RH (%)	89	54	65	43	35	
Wind Speed (Km)		2	4	3	4	
*Wind Direction	E	S-E	Ē	S-E	S-E	
	Northerly- N, North		asterly- E. Soutl	The second se	~ _	
	Southerly- S, South					
STATUS OF MON	SOON- December 1-31					
Kolasib- 0.00			Kolasib- 0.00 n		ib- 0.00 mm	
(0.00	mm)	(0.00mm)	(0.00n	nm)	(0.00mm)	
Serchhip-0.00	mm Serchhip	-0.00mm	Serchhip-0.00r	nm Serch	hip-0.00mm	
(0.00	mm) 🦙 📜 🛌	(0.00mm) (0.00mm) (0.00mm)				
Weather sum	mary of the past	Weather fore	cast valid from	m 03 rd January	2015 To 07 th	
			CHHIP Januar	•	, _ 0 10 10 07	
tint					D1 •	
		There is a chance				
		minimum temperatures for the next 5 days may range for $21-25^{\circ}$ C and $3-11^{\circ}$ C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 35-89%. Wind direction would be				
		southeasterly with	the wind speed	of 2-4 km per how	ur. Clear sky wi	
	5	prevail during the	next five days.			
		0	es al			
	1	(N (V	Veekly cumulativ	e rainfall: 08.0 m	n	
Main Crop/	Stage	Cultural practic		ultural / Horticul		
Animal		Pest/ Diseases	0	husbandry advi		
/Fisheries	2			nussunary uu v		
	Vegetative stage	Canker	• Drupo ti	ne diseased and dea	ad twice	
		Califici	and the second sec		-	
Khasi	, cerani e stage	1 2	• Worres			
	, egemente stage	LAWNGTLAN		-	-	
Khasi	regenare stage	LAWNGTLAN	mulch y	with dry grass to		
Khasi	regenare stage		mulch wand sup	with dry grass to press the growth o	conserve moistur f weed.	
Khasi	regenare stage		mulch wand sup	with dry grass to	conserve moistur f weed. optomycin 2g	



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

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		\wedge	• Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	KOLASIB	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material.
	}	men {	 ✓ Provide irrigation in the base. ✓ Fertilizer application in split dose or 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. Sucker dipping treatment with Bavistin @
	35	SERCHHI	 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation.
Cucurbits	Vegetative stage	wh	 Land is ploughed to a fine tilth and pits of 60 cm diameter and 30-45cm depth ar 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
	2		respectively. Well rotten FYM should b applied in pits and filled with top soil up to 3/4th height and 2-3 seeds will be sown in each pit.
		LAWNGTLAN	 with broad end downwards, 2/3rd portion below soil at a spacing of 3.5 x 2.0 m. Polythene nursery raising can be done initiate
		Damping off and A Blight	 ✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
		M N N	2 P a g e



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

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		0	✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 2	 Weeding near the plant
Ŭ		2	◆ Fertilizer application in split dose of
	1 -	KOLASIB	recommended dose.
	1	1 HOLNOID	 Provide irrigation in the field.
		Disease:	• Seed treatment with captan, thiram or
	(Damping off-	chlorothalonil will effectively control this
	(disease.
	1	Pest:	• Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cowpea	Fruiting stage		4 Trilling into bower structure.
-	5	Lastann I.	Weeding near the plant
		AIZAWL C	4 Draining of excess water and preparation
		5	mound near the base.
	1	Scab and leaf blight	✓ Use of resistant varieties.
	N	disease	
Early Cole crop	Vegetative stage	Card formation stage	 Application of Nitrogenous fertilizer urea
- –			in card formation stage.
		SERCHHI	Provide irrigation in the plant.
		V~L_	• Weeding near the plant.
	5	Damping off	✓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1		(Apron)/ kg seed
		LUNGLEI	Drenching 1% Bordeaux mixture or 2 g
	2		captan or 3 copper oxychloride/ lt of water
		0	at 10-15 DAS are effective.
	1	Mustard sawfly	• Application of carbofuran 3G @ $100g/m^2$
			in nursery is quite effective.
Mustard and	Flowering stage	1 9 al	• Weeding in the toria plot.
toria			• Provide irrigation in the field.
		1 2 1	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAY	\checkmark Weeding in the pea plot.
		A SAIHA	\checkmark Provide irrigation in the field.
		Aphid (1997)	o In case of aphid infestation apply
		1 2 1 5	Midachloprid 1.5ml/lt of water.
		R N Y	
			3 P a g e



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



Tomato	Vegetative stage	Land preparation	 Weeding near the plant
			✤ Fertilizer application in split dose of
		A A A A A A A A A A A A A A A A A A A	recommended dose.
	5.7	1 3	 Provide irrigation in the plant.
		Damping off	✓ Seed treatment with thiram $3g/kg$ seed or
		KOLASIB	Trichoderma viride 4g+ metalaxyl 4g
		1	(Apron)/ kg seed
)	WS	✓ Drenching 1% Bordeaux mixture or 2 g
	S	2 1	captan or 3 copper oxychloride/ lt of water
	1	SEL	at 10-15 DAS are effective.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre e
		blotch	water or Bavistin @ 1g/litre of water, 2-
	7 MAMIT	1 2	sprayings should be given forthnightl
	2	LAIZAVIL IC	intervals.
			• Spraying of Blitox @ 3 g/l of water wa
D'		1	found effective against leaf spot.
Rice	Harvesting stage	1 66	 ✓ Harvest rice crop ✓ Cut residue 20 cm from the base.
		1 1 1	
	1.5		 Open the furrow with the help of furrow opener.
	0	SERCHHI	✓ Place FYM and fertilizer.
		12-1	\checkmark Place the seed and cover by soil.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
116	m suges	Reproductive	r. Curing of positive pigs of piglets.
		Respiratory	
		Syndrome (PRRS).	2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
			months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat every
		Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	00	$\langle () \rangle$	 Primary vaccination 6 month or above
			 Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R_2
v	0	LAWNGTLAN	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
			· · · · ·



ICAR RESEARCH COMPLEX FOR NEH REGION

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

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LAWNGTLAL SAIHA

5 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Chhimtuipui

Period: 3 - 7, January, 2015

Bulletin No: -480	0/2015/ Bulletin/E	nglish	Date of	issue: 2 nd Jan	uary, 2015
Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015
Rainfall (mm)	0	KOI O SIR	6	0	0
Max Temp (oC)	23	27	27-	25	24
Min Temp (oC)	12	11	10	6	4
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	96	100	100	98	98
Min RH (%)	62	45	44	41	24
Wind Speed (Km)	pH) 4	2	4	5	6
*Wind Direction	E	E	E	E	Е
STATUS OF MON	Northerly- N, North Southerly- S, South ISOON- December 1-31	-Westerly- <mark>S-W</mark> , W	esterly-W, Nort	h-westerly- N-W.	
Kolasib- 0.00	mm Kolasib-	0.00 mm	Kolasib- 0.00 n	nm Kolas	ib- 0.00 mm
(0.00	mm)	(0.00mm)	(0.00n	nm)	(0.00mm)
Serchhip-0.00	mm Serchhip	-0.00mm	Serchhip-0.00r	nm Serch	hip-0.00mm
(0.00	mm) 🔰 🔂	(0.00mm)	(0.00m	ım)	(0.00mm)
	mary of the past	and the second se	and the second se	m 03 rd January	, 2015 To 07 ^{tl}
thre	e days	(A SER	CHHIP Januai	ry, 2015.	
	Z	There is a chance and minimum tem and 4-12 ^o C. Maxin 100% and minim easterly with the v during the next fiv	peratures for the mum relative hur num may from vind speed of 2-6 e days.	next 5 days may nidity is expected 24-62%. Wind d	range for 23-27 in the range of 9 irection would ear sky will prev
Main Crop/	Stage	Cultural practic		cultural / Horticul	
Animal /Fisheries		Pest/ Diseases		husbandry adv	
Khasi Mandarin	Vegetative stage	LAVINGTLAL	Wound mulch and sup • For ca	he diseased and de d dressing with B with dry grass to press the growth o inker, spray stre oxycholoride 8 g /1	ordeaux paste a conserve moistu of weed. coptomycin 2g



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

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			• Excess water removes from the base of the
			plant.
Banana	Vegetative/		\checkmark Remove water sucker, keep 1or 2 plants in a
	harvesting	1 3	single place.
	1 1 1	5	✓ Remove sword sucker and use it as new
		KOLASIB	planting material.
	4	0	\checkmark Provide irrigation to the base of the plant.
		WAS ST	✓ Fertilizer application in split dose of
	(1 1	recommended dose.
			\checkmark Harvest fruits when the flower tips of the
	1	()	fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding and
	7 MAMIT	$\gamma \rightarrow \gamma$	loosen up the soil.
	4	Transmitter 1.	• Remove slips and use it as a new planting
	S	AIZAWL JO	material.
	1	5	• Sucker dipping treatment with Bavistin @
	1 S.	Sec. and	3g + Chloropyriphos @ 1 g/lt of water to
	1	1 555	protect against soil borne disease and
) >	~ 1 ~	insect.
))		• Weeding and intercultural operation.
	6	SERCHHI	• Provide irrigation to the plant.
Cucurbits	Vegetative stage	V	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
	1		2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m for
		COMPANIES PC	pumpkin, bottle gourd cucumber
	2	LUNGLEI	respectively. Well rotten FYM should be
	1 A A A A A A A A A A A A A A A A A A A		applied in pits and filled with top soil up to
	4	~ ~	3/4th height and 2-3 seeds will be sown in
		111	each pit.
		Chi and	4 In case of chow-chow, fruit are planted
		2 1 5 1	with broad end downwards, 2/3rd portion
		1 55 4	below soil at a spacing of 3.5 x 2.0 m.
			+ Polythene nursery raising can be done.
		LAWNGTLAN	initiate
		Damping off and IA	\checkmark Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	J	201	
		NN M	2 P a g e

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

Guwahati)



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



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



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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Guwahati)



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



2015

Period: 3 – 7, January,

#### **District:** Kolasib

Bulletin No: -48	0/2015/ Bulletin/E	Inglish	Date of	issue: 2nd Janu	uary, 2015
Parameters	03.01.2015	04.01.2015	05.01.2015	06.01.2015	07.01.2015
Rainfall (mm)	0	KOI0ISIR	3	0	0
Max Temp (oC)	21	27	25	24	24
Min Temp (oC)	14	12	12	6	5
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	99	- 99	100	98	98
Min RH (%)	81	2 57	78	48	44
Wind Speed (Kmj	pH) 2	2	4	2	4
*Wind Direction	Ē	S-E	S	Ē	S-E
STATUS OF MON	Northerly- N, North Southerly- S, South NSOON- December 1-31	-Westerly- <mark>S-W</mark> , W	esterly-W, North	h-westerly- N-W.	
Kolasib- 0.00			Kolasib- 0.00 n		ib- 0.00 mm
(0.00		(0.00mm)	(0.00n		(0.00mm)
Serchhip-0.00			Serchhip-0.00r		hip-0.00mm
(0.00)	· · · · · · · · · · · · · · · · · · ·	(0.00mm)	(0.00m		(0.00mm)
	mary of the past			m 03 rd January	
	e days	Contraction of the Contraction of the	and the second of the second sec	ry. 2015.	,
	range for maximum	There is a chance		• /	The maximum an
	ere $23.2-25.2^{\circ}$ C and	minimum tempera			
	ectively. Clear sky	5-14 [°] C. Maximum			
	Wind direction is	100% and minim			
~	m RH observed 59-	easterly with the v	·	kin per nour. Cie	ear sky will preva
	of 14-32%. Rainfall	during the next fiv	e days.		
<b>00.0mm.</b>	past three days is	a 6	Veekly cumulativ	<i>e rainfall:</i> 03.0 m	m
Main Crop/	Stage	Cultural practic		ultural / Horticul	
Animal	8	Pest/ Diseases	0	husbandry adv	
/Fisheries			(		
Khasi	Vegetative stage	Canker	• Prune t	he diseased and de	ad twigs
Mandarin	BB-	Summer		l dressing with B	-
		LAWNGTLAU	mulch y	with dry grass to press the growth o	conserve moistur
			• For ca	nker, spray stre xycholoride 8 g /1	optomycin 2g
	J	7 5		,	1   D a g A



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		0	• Excess water removes from the base of the
			plant.
Banana	Vegetative/	1	✓ Remove water sucker, keep 1or 2 plants in
	harvesting	1 5	single place.
		5	$\checkmark$ Remove sword sucker and use it as ne
		KOLASIE	planting material.
			$\checkmark$ Provide irrigation to the base of the plant.
	)	ws )	$\checkmark$ Fertilizer application in split dose of
	5	2 1 (	recommended dose.
	1	STAL U	$\checkmark$ Harvest fruits when the flower tips of the
			fruit dehiscent.
Pineapple	Vegetative stage		• Clean the vicinity of plants by weeding an
	J MAMIT	1 2	loosen up the soil.
	5	A AIZAWL C	• Remove slips and use it as a new plantin
		A COMPANY OF	material.
		1	• Sucker dipping treatment with Bavistin (
	2	1 8 6	3g + Chloropyriphos @ 1 g/lt of water t
		1 12	protect against soil borne disease an
	1.0	~ 1	insect.
	12		• Weeding and intercultural operation.
		SERCHHI	0 1
Cucurbits	Vegetative stage	V Car	<b>4</b> Land is ploughed to a fine tilth and pits of
	S		60 cm diameter and 30-45cm depth and
			made at a spacing of 2.0-2.5x 2.0-2.5 m
			2.0-2.5x 1.0-2.0 1.5-2.0 x 1.0-2.0 m fo
		LUNGLEI	pumpkin, bottle gourd cucumbe
	1		respectively. Well rotten FYM should b
		S.	applied in pits and filled with top soil up t
	-	A V	3/4th height and 2-3 seeds will be sown i
			each pit.
		17761	In case of chow-chow, fruit are planted with broad end downwards, 2/3rd portion
		N LI Y	below soil at a spacing of 3.5 x 2.0 m.
		Y I	<ul> <li>Polythene nursery raising can be done</li> </ul>
		LAWNGTLAL	initiate
		Damping off and	$\checkmark$ Seed treatment with thiram 3g/kg seed or
		Blight	Trichoderma viride 4g+ metalaxyl 4g
		Digit	(Apron)/ kg seed
			· · · · · · · · · · · · · · · · · · ·



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1			
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
Brinjal	Fruiting stage	1 2	<ul> <li>Weeding near the plant</li> </ul>
5	8 8	1	* Fertilizer application in split dose of
		KOLASIB	recommended dose.
	1	NOLASIB	<ul> <li>Provide irrigation to the plant.</li> </ul>
		Disease:	• Seed treatment with captan, thiram or
	6	Damping off-	chlorothalonil will effectively control this
	2		disease.
		Pest:	• Sulfur fungicides can be used to control
	J.	Mites and hoppers-	this pest.
Cowpea	Fruiting stage	wittes und noppers	<ul> <li>Trilling into bower structure.</li> </ul>
Compea	Truthing stage	1	<ul> <li>Weeding near the plant.</li> </ul>
	3	AIZAWL JO	<ul> <li>Draining of excess water and preparation</li> </ul>
		1 A A	mound near the base.
		Scab and leaf blight	✓ Use of resistant varieties.
	1	disease	· Ose of resistant varieties.
Early Cole crop	Vegetative stage	Card formation stage	<ul> <li>Application of Nitrogenous fertilizer urea</li> </ul>
Luriy Cole crop	, egetutive stuge	Curu Iorination Stage	in card formation stage.
		SERCHHI	
		12-1-	<ul> <li>Weeding near the plant.</li> </ul>
		Damping off	✓ Seed treatment with thiram 3g/kg seed or
	1	Dumping on	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1	COMPANY AND	<ul> <li>Drenching 1% Bordeaux mixture or 2 g</li> </ul>
	2	LUNGLEI	captan or 3 copper oxychloride/ It of water
	1		at 10-15 DAS are effective.
	4	Mustard sawfly	✓ Application of carbofuran 3G @ 100g/m ²
			in nursery is quite effective.
Mustard and	Flowering stage	( hall	• Weeding in the toria plot.
toria	0 0	( )	• Provide irrigation in the field.
		1 1 1	• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage	LAWNGTLAL	✓ Weeding in the pea plot.
	0 0	/ SAIHA	$\checkmark$ Provide irrigation in the field.
		Aphid	o In case of aphid infestation apply
		1	Imidachloprid 1.5ml/lt of water.
		PALS.	м. — — — — — — — — — — — — — — — — — — —
		N N M	<b>3</b>   P a g e



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

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