

ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Serchhip

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

		1			
Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0		9	10	6
Max Temp (oC)	31	33	32	31	31
Min Temp (oC)	15	17	16	14	15
Cloud Coverage	Clean sky	Clean sky	Mainly clear	Mainly clear	Clean sky
Max RH (%)	100	100	100	100	100
Min RH (%)	46	41	44	53	45
Wind Speed (Km	pH) 5	6	2	2	2
Wind Direction	E	E	E	Е	E
STATUS OF MON	Northerly- N, Nort Southerly- S, Soutl NSOON- August 1-30, 2	n-Westerly- <mark>S-W</mark> , W	esterly-W, North	-westerly- N-W.	
Kolasib- 372.11 (19.16)		329.7mm Ma (-28.00)	amit-376.0 mm (-20.69)		' 8.0mm 33)
(-32.0	·	(-64.68)	(-16.55)	5	pui- 367.8 mm (-32.04)
Weather sum	mary of the p <mark>ast</mark>	Weather fore	ecast valid from	n 04 th October,	2014 To 08 th
thre	e days		Octobe	r, 2014.	
		There is a chance of maximum and mir 31-33°C and 14-1 range of 100% and be easterly with the weather will preva	nimum temperatur 7 ⁰ C. Maximum r d minimum may f ne wind speed of il during the next	es for the next 5 d elative humidity from 41-53%. Wir 2-6 km per hour.	lays may range for is expected in the nd direction woul Moderate cloud
Main Crop/	Stage	Cultural practic		ultural / Horticul	
Animal /Fisheries	Junge	Pest/ Diseases	Ŭ	husbandry advi	
Khasi	Vegetative stage	Canker	• Prune th	e diseased and dea	ad twigs.
Mandarin				dressing with Bo	U
	J	RN	S		1 Page



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	2	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAWIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	SERCHHI	 Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
Cucurbits	Vegetative stage	LUNGLEI	 Nursery raising for offseason cucurbits.
	l l	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.
Brinjal	Vegetative stage	LAWNGTLAL	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
		Disease:	$\overline{\circ}$ Seed treatment with captan, thiram or
		NIN P	2 P a g e



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Cowpea Vegetative stage Pest: Mites and hoppers- Mites and hoppers- Cowpea • Sulfur fungcides can be used to control this pest. Cowpea Vegetative stage • OLASIB • Draining of excess water and preparation mound near the base. Early Cole crop Nursery stage Land preparation • Wursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation • Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. MAMIT Damping off • Seed tradiment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Mustard sawfly • Mustard sawfly • Meeding in turneric and ginger field. Ginger & Turmeric Vegetation stage • Weeding in turneric and ginger field. Maize Flowering stage Land stage • Weeding in turneric and ginger field. Maize Flowering stage Land stage • Weeding in maize plot			Damping off-	chlorothalonil will effectively control this
Mites and hoppers- Cowpea this pest. Cowpea Vegetative stage * Trilling into bower structure. Weeding near the plant Draining of excess water and preparation disease * Use of resistant varieties. Early Cole crop Nursery stage Land preparation * Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation * Nursery preparation of seeds (7-10cm) MAMIT Damping off * Seed treatment with thiram 3g/kg seed or Trichoderma vride 4g+ metalaxyl 4g (Apron) kg seed Bernehing 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ It of water at 10-15 DAS are effective. * Mustard sawfly Ginger & Turmeric Vegetation stage • Weeding in turmeric and ginger field. Maize Flowering stage • Weeting in mizz plot Maize Flowering stage • Weeting in mizz plot Maize Flowering stage • Weeting in mizz plot • Maize Flowering stage • Weeting in mizz plot • Turmeric • The arworm damage occurs, clipp off the of of the ear and any affected kemels. The re of should be fine to eat.				-
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Rice	Flowering Stage	Birds KOLASIB Rice Stem borer Gundhi bug	 Crop rotation with leguminous crop. Reflecting tape poly propylene metallishine tape and the other silver that reflect sunlight causing flashing effect is effective in scaring birds. Automatic acetylene exploders or bird scaring gun that produce periodically lou noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
Rice		KOLASIB Rice Stem borer	 shine tape and the other silver that reflect sunlight causing flashing effect is effective in scaring birds. Automatic acetylene exploders or birded scaring gun that produce periodically lour noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt wate
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	E MAMIT	$\langle \neg \rangle$	Spraying of monocrotophos 20ml/10lt water
	& MAMIT	Gundhi bug	
	< linematic	Gundhi bug	or initiaciopria 20mi/10it water.
	3	Gundhi bug	
	12	C MIGMVIL 0 11	Spray monocrotophos 36 WSC @ 1.5 ml/
	N.C.	2	or endosulfan 35 EC @ 1.5 ml/ml
	1	1	 Insecticide application should be done if the
	1	1 20	population reaches ETL of 1 nymph of
			adult/ hill.
	1.0	Leaf blast	Judicious application of nitrogenou
	12		fertilizer.
		SERCHHI	spruying with dielozoie (Deuli) coogni
	1	No log	or edifenphos @ 1ml/lt when first sympton
		<u> </u>	are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	2
		Respiratory	1
	2	Syndrome (PRRS).	<u></u>
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
	1	A 5.~	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).
			 Primary vaccination 6 month or above
		A second s	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at $(1-6)$ days of birth and R_2
·	0	/ SAIHA	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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District: Aizawl

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0	0	13	6	8
Max Temp (oC)	31	33	32	30	30
Min Temp (oC)	14	17	17	16	15
Cloud Coverage	Clear sky	Clear sky	Mainly clear	Partially clear	Clear sky
Max RH (%)	99	- 99	99	100	100
Min RH (%)	46	46	49	77	56
Wind Speed (Km	p H) 4	4	2	2	2
*Wind Direction	E Northerly- N, Nort	E	S-E	S-E	E
STATUS OF MON	Southerly- S, South SOON- August 1-30, 2				
Kolasib- 372.1r (19.16)		329.7mm Ma (-28.00)	amit-376.0 mm (-20.69)		' <mark>8.0mm</mark> 33)
Serchhip- 166. (-32.0	4)	365.4 mm Lu (-64.68)	nglei- 371.4 m (-16.55)	m Chhimtui	pui- 367.8 mn (-32.04)
Weathon	many of the past	Weathan fana	aget walled from	h 01 th October	2014 To 00th
	mary of the p <mark>ast</mark> e days		Octobe	n 04 th October, r, 2014.	
thre	e days	There is a chance of maximum and min 30-33 ⁰ C and 14-1 range of 99-100% would be easterly hour. Clear sky wi	Octobe of moderate to light imum temperatur 7°C. Maximum r and minimum to southeasterly ill prevail during to reekly cumulative	r , 2014. ht rainfall during the ses for the next 5 d relative humidity is may from 46-77% with the wind specthe next five days.	he next 3 day. The ays may range for is expected in the 6. Wind direction and of 2-4 km points n
	· ·	There is a chance of maximum and min 30-33 ⁰ C and 14-1 range of 99-100% would be easterly hour. Clear sky with Cultural practice Pest/ Diseases	Octobe of moderate to light imum temperatur 7°C. Maximum r and minimum to southeasterly ill prevail during to Yeekly cumulative ces/ Agric	r, 2014. ht rainfall during the res for the next 5 d relative humidity is may from 46-77% with the wind specthe next five days.	he next 3 day. The ays may range for is expected in the 6. Wind direction where the second second second bed of 2-4 km per metural/animal
thre Main Crop/ Animal	e days	There is a chance of maximum and min 30-33 ⁰ C and 14-1 range of 99-100% would be easterly hour. Clear sky with Cultural practice Pest/ Diseases	Octobe of moderate to light imum temperatur 7°C. Maximum r and minimum to southeasterly ill prevail during to <i>Ceekly cumulative</i> ces/ Agric	r, 2014. ht rainfall during the res for the next 5 d relative humidity is may from 46-77% with the wind spect the next five days. rainfall: 27.0 mm ultural / Horticulty husbandry advis	he next 3 day. The ays may range for is expected in the 6. Wind direction where the section of 2-4 km p n tural/animal sories
thre Main Crop/ Animal /Fisheries	e days Stage	There is a chance of maximum and min 30-33 ⁰ C and 14-1 range of 99-100% would be easterly hour. Clear sky with Cultural practice Pest/Diseases	Octobe of moderate to light imum temperatur 7°C. Maximum r and minimum to southeasterly ill prevail during to Veekly cumulative cess/ Agrice	r, 2014. ht rainfall during the res for the next 5 d relative humidity is may from 46-77% with the wind spect the next five days.	he next 3 day. The ays may range for as expected in the 6. Wind direction and tural/animal sories



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	5	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAVIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	SERCHHI	 Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
Cucurbits	Vegetative stage	LUNGLEI	 Nursery raising for offseason cucurbits.
	<u> </u>	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.
Brinjal	Vegetative stage	LAWNGTLAL SAIHA Disease:	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base. Seed treatment with captan, thiram or
		Disease:	o Seeu ucaunem with captail, unrain of
		Y N N	2 P a g e



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Cowpea Vegetative stage Pest: Mites and hoppers • Sulfur fungicides can be used to control this pest. Cowpea Vegetative stage • OLAGIB • Trilling into bower structure. Weeding near the plant • Draining of excess water and preparation mound near the base. • Vegetative stage Early Cole crop Nursery stage Land preparation • Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. # Amiri Mamiri Pamping off • Nursery bed solarisation. # Application of FYM (1.5-2.0 kg/m²) * Line sowing of seeds (7-10cm) Damping off • Seed trainent with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Mustard sawfly • Mustard sawfly Mustard sawfly • Application of carbofuran 3G @ 100g/m² nursery is quite effective. Ginger & Turmeric Vegetation stage Maize Flowering stage Maize Flowering stage			Damping off-	chlorothalonil will effectively control this
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD. Guwahati)



		0	- Crop rotation with leguminous crop.
	5	Birds	- Reflecting tape poly propylene metall shine tape and the other silver that reflec sunlight causing flashing effect is effectiv in scaring birds.
			- Automatic acetylene exploders or bird scaring gun that produce periodically lou noise have been suggested.
Rice	Flowering Stage	611	 ✓ One hand weed will require. ✓ Application of split dose of Urea.
	AMIT	Rice Stem borer	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
		Gundhi bug	 Spray monocrotophos 36 WSC @ 1.5 ml/ or endosulfan 35 EC @ 1.5 ml/ml Insecticide application should be done if the population reaches ETL of 1 nymph of adult/ hill.
	P	SERCHHI	 Judicious application of nitrogenou fertilizer. Spraying with triclozole (Beam) @0.5gm/ or edifenphos @ 1ml/lt when first sympton are notice.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at months and yearly interval/6 month interva
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ vaccine for adult birds.
			1. Amprolium or coccidiostat



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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 SAIHA



ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Champhai

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

			0.1.0.001.4	07 10 0014	
Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0	KOLASIB	13	8	5
Max Temp (oC)	31	32	32	29	29
Min Temp (oC)	14	16	16	15	15
Cloud Coverage	Clear sky	Clear sky	Partially clear	Partially clear	Clear sky
Max RH (%)	100	100	99	99	100
Min RH (%)	47	44	46	67	54
Wind Speed (KmpH)	3) 4	2	2	3
Wind Direction	S-E ortherly- <mark>N, North</mark>	S-E	S-E	S-E	S-E
Kolasib- 372.1mm	Champhai- 3	29.7mm M	amit-376.0 mm	Aizawl-37	'8.0mm
(19.16)	and the second sec	28.00)	(-20.69)		33)
(-32.04)	· ·	-64.68)	(-16.55)		(-32.04)
Weather summar	y of the past	Weather for	ecast valid from	n 04 th October,	2014 To 08th
three da				r, 2014.	
There is a chance of moderate to light rainfall during the next 3 day. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 14-16°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 44-67%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Clear sky weather will prevail during the next five days. <i>Weekly cumulative rainfall:</i> 26.0mm					
Main Crop/	Stage	Cultural practi		Itural / Horticul	
Animal	olage	Pest/ Diseases	0	husbandry advi	

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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)



	\sum	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAWIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	SERCHHI	 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.
Cucurbits	Vegetative stage	LUNGLEI	• Nursery raising for offseason cucurbits.
	ζ	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.
Brinjal	Vegetative stage	LAWNGTLAL	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
		Disease:	$\overline{\circ}$ Seed treatment with captan, thiram or
		NIL P	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



را			
		Damping off-	chlorothalonil will effectively control this
			disease.
		Pest:	• Sulfur fungicides can be used to control
	5	Mites and hoppers-	this pest.
Cowpea	Vegetative stage	5	Trilling into bower structure.
		KOLASIB	Weeding near the plant
	1	1	Draining of excess water and preparation
)	WA	mound near the base.
	(Scab and leaf blight	\checkmark Use of resistant varieties.
	() () () () () () () () () ()	disease	
Early Cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage,
	2		cauliflower, broccoli and knolkhol.
	7 MAMIT	Y).	Raised bed, nursery bed solarisation.
	5	AIZAWIL	Hed should be 1m width and
	1	C. C	conventional length.
		1	4 Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
	1	1 8 1	Line sowing of seeds (7-10cm)
	1	Damping off	\checkmark Seed treatment with thiram 3g/kg seed or
	2. 1	~ 1	Trichoderma viride 4g+ metalaxyl 4g
	12		(Apron)/ kg seed
	2	SERCHH	✓ Drenching 1% Bordeaux mixture or 2 g
		V La	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Mustard sawfly	\checkmark Application of carbofuran 3G @100g/m ² in
			nursery is quite effective.
Ginger &	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
Turmeric)		(
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre o
	1	blotch	water or Bavistin @ 1g/litre of water, 2-3
			sprayings should be given forthnightly
		19 al	intervals.
		$\langle \langle \rangle \rangle$	• Spraying of Blitox @ 3 g/l of water wa
			found effective against leaf spot.
Maize	Flowering stage	1	✓ Weeding in maize plot
		LAWNGTLAV	✓ Topdressing with urea fertilizer.
		Pest: SAIHA	in cui worini duniuge occurs, empp ori une u
		Corn earworm	of the ear and any affected kernels. The res
		1 1221	of should be fine to eat.
		P N N	
			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)



		6	Crop rotation with loguminous gran
		Birds	- Crop rotation with leguminous crop.
		Biras	- Reflecting tape poly propylene metall
			shine tape and the other silver that reflec
	1 1	1 8	sunlight causing flashing effect is effective
		()	in scaring birds.
		KOLASIB	- Automatic acetylene exploders or bird
			scaring gun that produce periodically lou
		10 m	noise have been suggested.
Rice	Flowering Stage	2 1	\checkmark One hand weed will require.
	(\checkmark Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses.
			 Spraying of monocrotophos 20ml/10lt wate
	? MAMIT		or Imidacloprid 20ml/10lt water.
	4	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml
		C MIZAWICOB 10	or endosulfan 35 EC @ 1.5 ml/ml
		6	 Insecticide application should be done if the
	1 (5	population reaches ETL of 1 nymph of
	4	1 54	adult/ hill.
		Leaf blast	Judicious application of nitrogenou
	1.5	Lear Diast	fertilizer.
	0	SERCHH	
		(~	Spruying with dielozofe (Dealit) Coleging
			or edifenphos @ 1ml/lt when first sympton
D!		D .	are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	1 A
	2	Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
	2		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).
			Primary vaccination 6 month or above
		1	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R_2
- • • • • · · · · · · · · · · · · · · ·		/ SAIHA	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	Larry stage	CUCCIUIUSIS	
		N N N	
		NON CONTRACTOR	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, Guwahati)



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LAWNGTLAL SAIHA



ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Chhimtuipui

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

0 31 17 Clear Sky 100	0 32 17 Mainly clear	7 32 17	6 31 15	3 31
17 Clear Sky	17	17		
Clear Sky	17		15	
10	Mainly clear		-	16
100		Mainly clear	Partially clear	Clear Sky
	100	100	100	99
52	46	47	55	49
6	6	2	2	4
E	E	N-E	Е	E
igust 1-30, 201	4 (Percent of devic	ation from normal i	in parenthesis)	
		amit-376.0 mm (-20.69)		
		nglei- 371.4 m (-16.55)	m Chhimtuij	pui- 367.8 mr (-32.04)
	E tly- N, North-J ly- S, South-V igust 1-30, 201 hamphai- 3 (-2 awngtalia- 3	E E ely- N, North-Easterly- N-E, Ea ly- S, South-Westerly- S-W, W agust 1-30, 2014 (<i>Percent of devia</i> champhai- 329.7mm Ma (-28.00) awngtalia- 365.4 mm Lu (-64.68)	E E N-E cly- N, North-Easterly- N-E, Easterly- E, South- ly- S, South-Westerly- S-W, Westerly-W, North- ngust 1-30, 2014 (Percent of deviation from normal in thamphai- 329.7mm Mamit-376.0 mm (-28.00) (-20.69) awngtalia- 365.4 mm Lunglei- 371.4 mm (-64.68) (-16.55)	E E N-E E chy- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, E North-Easterly- S-E, ky- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. North-westerly- N-W. ngust 1-30, 2014 (Percent of deviation from normal in parenthesis) Aizawl-37 Champhai- 329.7mm Mamit-376.0 mm Aizawl-37 (-28.00) (-20.69) (7.3) awngtalia- 365.4 mm Lunglei- 371.4 mm Chhimtuig (-64.68) (-16.55) Chhimtuig

Weather summary of the past		Weather forecast	valid from 04 th October, 2014 To 08 th	
thr	ee days	October, 2014.		
		and minimum temperation and 15-17 ⁰ C. Maximum 99-100% and minimum northeasterly with the w prevail during the next f	ht rainfall during the next 3 day. The maximum ures for the next 5 days may range for $31-32^{\circ}$ C n relative humidity is expected in the range of 1 may from 46-55%. Wind direction would be wind speed of 2-6 km per hour. Clear sky will ive days.	
Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories	
Khasi Mandarin	Vegetative stage	Canker	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and 	
		2 N 3	110	

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



	2	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAWIL	 ✓ Remove water sucker, keep 1or 2 plants in a single place. ✓ Remove sword sucker and use it as new planting material. ✓ Excess water removes from the base of the plant. ✓ Fertilizer application in split dose of recommended dose. ✓ Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	SERCHH	 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.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
	l l	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.
Brinjal	Vegetative stage	LAWNGTLAL SAIHA Disease:	 Weeding near the plant Fertilizer application in split dose of recommended dose
		Discase.	o beed treatment with captail, thrain of
		Y 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, Guwahati)



		Damping off-	chlorothalonil will effectively control this
		Damping on-	disease.
		Pest:	
			• Sulfur fungicides can be used to control
~		Mites and hoppers-	this pest.
Cowpea	Vegetative stage	T	Trilling into bower structure.
		KOLASIB	 Weeding near the plant
	() () () () () () () () () ()	I. C	Draining of excess water and preparation
		10 m	mound near the base.
	5	Scab and leaf blight	✓ Use of resistant varieties.
	{	disease	()
Early Cole crop	Nursery stage	Land preparation	 ✓ Nursery preparation for cabbage,
	1	1	cauliflower, broccoli and knolkhol.
	7 MAMIT	λ	Raised bed, nursery bed solarisation.
	5	AIZAWIL	Bed should be 1m width and
		Current 1	conventional length.
		5	Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
	1	A second	Line sowing of seeds (7-10cm)
	7	Damping off	\checkmark Seed treatment with thiram 3g/kg seed or
	1 1		Trichoderma viride 4g+ metalaxyl 4g
	3.2		(Apron)/ kg seed
		SERCHH	
	1	1 miles	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m ² i
	1		nursery is quite effective.
Ginger &	Vegetation stage	comparing and	✓ Weeding in turmeric and ginger field.
Turmeric	, egetation stage	LUNGLEI	i country in turnierre una ginger riera.
Turmerre	1	Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
	4	blotch	water or Bavistin @ 1g/litre of water, 2-
		bioten	sprayings should be given forthnight
			intervals.
		1775	• Spraying of Blitox @ 3 g/l of water wa
		D La Y	found effective against leaf spot.
Maize	Floworing stogo		✓ Weeding in maize plot
	Flowering stage	LAWNGTLAL	 ✓ Weeding in marze plot ✓ Topdressing with urea fertilizer.
		I OSU	in car worth authage occurs, empp off the a
		Corn earworm	of the ear and any affected kernels. The res
		1 2 1	of should be fine to eat.
		K 1 X 1	3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



		6	- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metall
		Difus	shine tape and the other silver that reflec
			sunlight causing flashing effect is effective
	3 1	1 8	in scaring birds.
		Vi constantina in	- Automatic acetylene exploders or bird
		KOLASIB	• · ·
	1	Lo S	scaring gun that produce periodically lou
D!		1	noise have been suggested.
Rice	Flowering Stage		✓ One hand weed will require.
		D' G' I	✓ Application of split dose of Urea.
		Rice Stem borer	• Destroy egg masses.
	Same		 Spraying of monocrotophos 20ml/10lt wat
	7 MAMIT		or Imidacloprid 20ml/10lt water.
	1	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml
			or endosulfan 35 EC @ 1.5 ml/ml
		1	 Insecticide application should be done if the
	1	1 & C	population reaches ETL of 1 nymph
		1 1 2	adult/ hill.
		Leaf blast	 Judicious application of nitrogenou
	12		fertilizer.
		SERCHHI	Spruying with the object (Deality) conserve
			or edifenphos @ 1ml/lt when first symptom
			are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	2
		Respiratory	2
	2	Syndrome (PRRS).	(
	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).
			♦ Primary vaccination 6 month or above
		1	 Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂
		/ SAIHA	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	Lury suge	Cocciuiosis	
		2 A A A A A A A A A A A A A A A A A A A	



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Kolasib

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0	0	10	3	4
Max Temp (oC)	31	кој ⁰ сів 33	33	31	31
Min Temp (oC)	15	18	19	19	16
Cloud Coverage	Clear Sky	Clear Sky	Mainly clear	Mainly clear	Clear Sky
Max RH (%)	99	- 98	97	99	99
Min RH (%)	44	44	46	56	72
Wind Speed (KmpH)	3	2	2	2	2
Wind Direction	E	E	S-E	S-E	Е
Sou STATUS OF MONSOO		and the second s	Westerly-W, North viation from normal		
Kolasib- 372.1mm (19.16)	Champhai- 3 (-	329.7mm I 28.00)	Mamit-376.0 mm (-20.69)		<mark>/8.0mm</mark> 33)
Serchhip- 166.7 mm (-32.04)		365.4 mm _{SP} I	unglei- 371.4 m (-16.55)	m Chhimtui	pui- 367.8 mr (-32.04)

Weather summary of the	past
three days	

Weather forecast valid from 04th October, 2014 To 08th October, 2014.

There is a chance of moderate to light rainfall during the next 3 day. The

maximum and minimum temperatures for the next 5 days may range for $31-33^{\circ}$ C and $15-19^{\circ}$ C. Maximum relative humidity is expected in the

range of 97-99% and minimum may from 44-72%. Wind direction

would be southeasterly with the wind speed of 2-3 km per hour. Clear

The temperature range for maximum and minimum were 30.2-33.1°C and 20.5-23.8°C respectively. Mainly Cloudy weather was observed. Wind direction is westerly. Maximum RH observed 66-82% & minimum of 19-25%. Rainfall recorded for the past three days is 8.5 mm.

Weekly cumulative rainfall: 17.0mm

Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/Diseases	Agricultural / Horticultural/ animal husbandry advisories
Khasi Mandarin	Vegetative stage	Canker	 Prune the diseased and dead twigs. Wound dressing with Bordeaux paste and
		2015	

sky will prevail during the next five days.

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	5	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAVIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the finite debiasert.
Pineapple	Vegetative stage	SERCHHI	 fruit dehiscent. Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	 Nursery raising for offseason cucurbits.
		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.
Brinjal	Vegetative stage	LAWNGTLAL	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base. Seed treatment with captan, thiram or
		Disease:	o Seed treatment with captan, thiram or
		NY NY M	2 P a g e



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Cowpea Vegetative stage Pest: Mites and hoppers- Mites and hoppers- this pest. O Sulfur fungcides can be used to control this pest. Cowpea Vegetative stage Courses Trilling into bower structure. Weeding near the plant Draining of excess water and preparation mound near the base. Y Use of resistant varieties. Early Cole crop Nursery stage Land preparation Y Use of resistant varieties. Early Cole crop Nursery stage Land preparation Y Use of resistant varieties. Mamit Damping off Y Use of resistant varieties. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m ²) Line sowing of seeds (7-10cm) Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Mustard sawfly Mustard sawfly Application of carbfuran 3G @ 100g/m ² nursery is quite effective. Ginger & Turmeric Vegetation stage Y Weeding in urmeric and ginger field. Maize Flowering stage Leaf spot and leaf blotch Spraying of Blitox @ 3 g/l of water y spraying should be given forthnigh intervals.			Damping off-	chlorothalonil will effectively control this
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Image: Constraint of the ear and any affected kernels. The rest of should be fine to eat. Image: Constraint of the ear and any affected kernels. The rest of should be fine to eat.			1 20 1	found effective against leaf spot.
Pest: All A Corn earworm - If earworm damage occurs, clipp off the of the ear and any affected kernels. The rest of should be fine to eat.	Maize	Flowering stage		✓ Weeding in maize plot
Pest: SAINA - If earworm damage occurs, clipp off the tool of the ear and any affected kernels. The rest of should be fine to eat.			LAWNGTLAN	✓ Topdressing with urea fertilizer.
Corn earworm of the ear and any affected kernels. The results of should be fine to eat.			Pest: SAIHA	- If earworm damage occurs, clipp off the t
of should be fine to eat.			Corn earworm	
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Flowering Stage	Birds KOLASIB Rice Stem borer Gundhi bug	 Crop rotation with leguminous crop. Reflecting tape poly propylene metallishine tape and the other silver that reflect sunlight causing flashing effect is effective in scaring birds. Automatic acetylene exploders or birded scaring gun that produce periodically lour noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water. Spray monocrotophos 36 WSC @ 1.5 ml/
	KOLASIB Rice Stem borer	 shine tape and the other silver that reflect sunlight causing flashing effect is effective in scaring birds. Automatic acetylene exploders or bird scaring gun that produce periodically lour noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
	Rice Stem borer	 sunlight causing flashing effect is effective in scaring birds. Automatic acetylene exploders or birded scaring gun that produce periodically low noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
	Rice Stem borer	 in scaring birds. Automatic acetylene exploders or birds scaring gun that produce periodically lour noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
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	Rice Stem borer	 scaring gun that produce periodically lou noise have been suggested. One hand weed will require. Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
	$\langle \neg \rangle$	 noise have been suggested. ✓ One hand weed will require. ✓ Application of split dose of Urea. Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
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AMAT	$\langle \neg \rangle$	 Destroy egg masses. Spraying of monocrotophos 20ml/10lt water or Imidacloprid 20ml/10lt water.
AMAMIT	$\langle \neg \rangle$	 Spraying of monocrotophos 20ml/10lt wate or Imidacloprid 20ml/10lt water.
& MAMIT	Gundhi bug	or Imidacloprid 20ml/10lt water.
	Gundhi bug	
3	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml/
N.		
		or endosulfan 35 EC @ 1.5 ml/ml
1	1	 Insecticide application should be done if the
1	1 6 6	population reaches ETL of 1 nymph of
		adult/ hill.
1.0	Leaf blast	 Judicious application of nitrogenou
12		fertilizer.
1	SERCHHI	spruying with dielozoie (Deuli) coogni
	No Car	or edifenphos @ 1ml/lt when first sympton
· · · ·		are notice.
All stages		1. Culling of positive pigs or piglets.
		2
		÷
2		ſ
Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
2	α $\langle \sim$	months and yearly interval/6 month interval
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
		Revaccination annually
Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂
	/ SAIHA	vaccine for adult birds.
Early stage	Coccidiosis	1. Amprolium or coccidiostat
Luity suige	COCCIUIOSIS	
_	All age group	Reproductive Respiratory Syndrome (PRRS).Adult stageSwine fever.All age groupFoot and Mouth Disease (FMD)Young stageBlack Quarter (BQ)Adult stageRanikhet Disease.



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Lawngtalai

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0	KOU SEID	6	5	3
Max Temp (oC)	31	32	32	31	31
Min Temp (oC)	18	19	18	17	18
Cloud Coverage	Clear Sky	Clear Sky	Mainly sky	Partially cloudy	Clear Sky
Max RH (%)	98	97	97	97	97
Min RH (%)	57	52	53	58	54
Wind Speed (KmpH)	6	6	2	2	4
Wind Direction	N-E	E	N-E	Е	N-E
	rtherly- N, North therly- S, South-	Westerly- <mark>S-W</mark> , W	Vesterly-W, Nort	h-westerly- N-W.	
Kolasib- 372.1mm	Champhai- 3	229 7mm M	amit-376.0 mr	n Aizawl-37	8 0mm
(19.16)		28.00)	(-20.69)	11 Alzawi-37	
Serchhip- 166.7 mm (-32.04)		365.4 mm Li -64.68)	inglei- 371.4 n (-16.55)	nm Chhimtui	pui- 367.8 mm (-32.04)
Weather summary	of the past	Weather for	ecast valid fro	m 04 th October,	2014 To 08 th
three day	ys		Octob	er, 2014.	
There is a chance of light rainfall during the next 3 day. The maxim and minimum temperatures for the next 5 days may range for 31-32 and 17-19 ^o C. Maximum relative humidity is expected in the range					
97-98% and minimum may from 52-58%. Wind direction w southeasterly with the wind speed of 2-6 km per hour. Clear s					
				or 2-0 kill per liou	II. CICAI SKY WI
prevail during the next five days.					

		weekl	<i>y cumulative rainfall:</i> 14.0mm
Main Crop/	Stage	Cultural practices/	Agricultural / Horticultural/ animal
Animal		Pest/ Diseases	husbandry advisories
/Fisheries		- SAIHA	
Khasi	Vegetative stage	Canker	• Prune the diseased and dead twigs.
Mandarin		1 1	• Wound dressing with Bordeaux paste and
		R IN S	

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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)



	5	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAVIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the flower
Pineapple	Vegetative stage	SERCHHI	 fruit dehiscent. Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
	Z	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.
Brinjal	Vegetative stage	LAWNGTLAL SAIHA Disease:	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base. Seed treatment with captan, thiram or
		Discase.	o seed nearment with captail, unrail of
		Y Y Y	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Damping off-	chlorothalonil will effectively control this
		Damping on-	disease.
		Pest:	 o Sulfur fungicides can be used to control
			o Sulfur lungicides can be used to control this pest.
Common	Vegetative stage	Mites and hoppers-	· · · ·
Cowpea	Vegetative stage	V. marine la	 Trilling into bower structure. Weading near the plant
		KOLASIB	Weeding near the plant
	1	1. 33	Draining of excess water and preparatio
	/		mound near the base.
	5	Scab and leaf blight	\checkmark Use of resistant varieties.
		disease	
Early Cole crop	Nursery stage	Land preparation	\checkmark Nursery preparation for cabbage,
	Constant		cauliflower, broccoli and knolkhol.
	J MAMIT	1 1	Raised bed, nursery bed solarisation.
	8	LAIZAWL TO	Bed should be 1m width and
			conventional length.
		1	Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
	1		Line sowing of seeds (7-10cm)
		Damping off	\checkmark Seed treatment with thiram 3g/kg seed or
	1. 10	~ 1	Trichoderma viride 4g+ metalaxyl 4g
	12		(Apron)/ kg seed
		SERCHH	✓ Drenching 1% Bordeaux mixture or 2 g
		V- La	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Mustard sawfly	\checkmark Application of carbofuran 3G @100g/m ² in
			nursery is quite effective.
Ginger &	Vegetation stage	LUNGLEI	✓ Weeding in turmeric and ginger field.
Turmeric	2	market and a state of	C
		Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre o
	5	blotch	water or Bavistin @ 1g/litre of water, 2-
		1	sprayings should be given forthnightly
			intervals.
		$\langle \langle \rangle \rangle$	o Spraying of Blitox @ 3 g/l of water wa
		1 - 1 1	found effective against leaf spot.
Maize	Flowering stage		✓ Weeding in maize plot
-	0	LAWNGTLAN	✓ Topdressing with urea fertilizer.
		Pest: SAIHA	
		Corn earworm	of the ear and any affected kernels. The res
			of should be fine to eat.
		and the l	
		VIN P	3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



		0	- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metall
		Diras	shine tape and the other silver that reflect
			sunlight causing flashing effect is effective
	1 6	1	
		N	in scaring birds.
		KOLASIB	- Automatic acetylene exploders or bir
	4	(scaring gun that produce periodically lot
		wy)	noise have been suggested.
Rice	Flowering Stage		\checkmark One hand weed will require.
	<u> </u>	Star La	\checkmark Application of split dose of Urea.
		Rice Stem borer	Destroy egg masses.
	1		Spraying of monocrotophos 20ml/10lt wat
	? MAMIT		or Imidacloprid 20ml/10lt water.
	6	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml
		CHIERWIC	or endosulfan 35 EC @ 1.5 ml/ml
		5	 Insecticide application should be done if the
	1	5	population reaches ETL of 1 nymph
	4	1 1	adult/ hill.
	A 17	Leaf blast	Judicious application of nitrogeno
	12		fertilizer.
		SERCHHI	Spruying with therebere (Beam) e 0.55m
		No. Com	or edifenphos @ 1ml/lt when first sympto
		0	are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	
		Respiratory	4
	2	Syndrome (PRRS).	C
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
		a 2~	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).
	I builg stage	Diack Quarter (DQ)	
			 Primary vaccination 6 month or above Primary vaccination 6 month or above
		LAWAGTIAN	Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂
			vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Lunglei

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0	0	6	8	5
Max Temp (oC)	31	33	32	32	31
Min Temp (oC)	17	18	17	16	16
Cloud Coverage	Clear sky	Clear sky	Mainly clear	Mainly clear	Clear sky
Max RH (%)	99	- 99	99	99	99
Min RH (%)	52	47	49	53	50
Wind Speed (Km)		5	2	2	2
Wind Direction	E	Е	E	E	E
STATUS OF MON	Northerly- N, North Southerly- S, South ISOON- August 1-30, 20	-Westerly- S-W, W	esterly-W, North	-westerly- N-W.	
Kolasib- 372.1r (19.16)		329.7mm M -28.00)	amit-376.0 mm (-20.69)		78.0mm .33)
(-32.0	7 mm Lawngtalia- 4) mary of the past	(-64.68)	inglei- 371.4 m (-16.55) ecast valid fror	1	ipui- 367.8 mm (-32.04) 2014 To 08 th
	e days			r, 2014.	, _ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Z	There is a chance and minimum terr and 16-18 ^o C. May 99% and minimum with the wind spe- the next five days.	peratures for the kimum relative hu n may from 47-53	next 5 days may umidity is expect %. Wind direction hour. Clear sky	range for 31-33 ⁰ C ed in the range of n would be easterly will prevail during
Main Crop/ Animal /Fisheries	Stage	Cultural practic Pest/ Diseases	ces/ Agric	ultural / Horticul husbandry adv	ltural/ animal
Khasi Mandarin	Vegetative stage	Canker		e diseased and de dressing with B	U

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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)



	5	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAVIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the fruit dehiscent.
Pineapple	Vegetative stage	SERCHHI	 Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material.
Cucurbits	Vegetative stage	LUNGLEI	Nursery raising for offseason cucurbits.
Brinjal	Vegetative stage	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. Weeding near the plant Fertilizer application in split dose of recommended dose
		Disease:	 Seed treatment with captan, thiram or
		VIN A	
		1 4 6	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cowpea Vegetative stage • Sulfur fungicides can be used to control this pest. Cowpea Vegetative stage • Trilling into bower structure. Vegetative stage • Trilling into bower structure. Scab and leaf blight • Use of resistant varieties. Early Cole crop Nursery stage Land preparation MAMIT Mamit • Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Bed should be 1m width and conventional length. • Application of FYM (1.5-2.0 kg/ m ²) Line sowing of seeds (7-10cm) • Line sowing of seeds (7-10cm)			Damping off-	chlorothalonil will effectively control this
Cowpea Vegetative stage Pest: Mites and hoppers- ities and hoppers- ities pest. O Sulfur fungicides can be used to control this pest. Cowpea Vegetative stage Initian in the base. Trilling into bower structure. Weeding near the plant Draining of excess water and preparation mound near the base. Vegetative stage Early Cole crop Nursery stage Land preparation Vegetative, broccoli and knolkhol. Image: Social and leaf blight Vegetative stage Nursery stage Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Image: Social and leaf blight Image: Social and leaf blight Vegetative stage Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Image: Social and leaf blight Image: Social and preparation Vegetative stage Nursery stage Image: Social and leaf blight Image: Social and leaf blight Vegetative stage Vegetative stage Image: Social and leaf blight Image: Social and leaf blight Vegetative stage Vegetative stage Image: Social and leaf blight Image: Social and leaf blight Social readment with thirm 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g Image: Social and leaf blight Image: Social and leaf blight Social readment with thirm 3g/kg seed on Trichoderma viride 1g/litre of water,			Damping on-	-
Mites and hoppers this pest. Cowpea Vegetative stage Trilling into bower structure. Weeding near the plant Trilling of excess water and preparat mound near the base. Scab and leaf blight disease Vise of resistant varieties. Early Cole crop Nursery stage Land preparation Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Bed should be Im width and conventional length. Bed should be Im width and conventional length. Application of FYM (1.5-2.0 kg/ m ² + Line sowing of seeds (7-10cm) Damping off Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed Ornchning 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ It of wata at 10-15 DAS are effective. Ginger & Vegetation stage Vegetation stage Vegetation stage Server of Bavistin @ 1g/litre of water, spraying should be given forthning intervals. Maize Flowering stage Leaf spot and leaf blotch O Spraying Of Blitox @ 3 g/l of water v found effective. Maize Flowering stage Pest: Same Veeding in maize plot · Topdressing with urea fertilizer. If earworm damage occurs, clipp off the of the ear and any affected kernels. The '			Dest	
Cowpea Vegetative stage Trilling into bower structure. KOLASIB Weeding near the plant Draining of excess water and preparation mound near the base. Vegetative stage Early Cole crop Nursery stage Land preparation MAMIT Mamit Vegetation Mamit Mamit Vegetation of PYM (1.5-2.0 kg/m ²) Mamit Damping off Vegetation of FYM (1.5-2.0 kg/m ²) Mamit Damping off Vegetation of FYM (1.5-2.0 kg/m ²) Mustard sawfly Vegetation of Seeds (7-10cm) Vegetation of Seeds (7-10cm) Vegetation stage Mustard sawfly Vegetation of Carbofuran 3G @ 100g/m nursery is quite effective. Ginger & Vegetation stage Vegetation stage Vegetation stage Turmeric Leaf spot and leaf Spraying Dithane M-45 @ 2.5g/litre water or Bavistin @ 1g/litre of water, sprayings should be given forthnigi intervals. Spraying of Blitox @ 3 g/l of water v found effective against leaf spot. Veeeding in maize plot <td< th=""><th></th><th></th><th></th><th>-</th></td<>				-
Kolasie * Weeding near the plant Draining of excess water and preparation under the base. Scab and leaf blight disease Early Cole crop Nursery stage Land preparation Maire Nursery stage Land preparation Maire Mustard sawfly Vuse of resistant varieties. Maire Flowering stage Leaf spot and leaf blight disease Maire Flowering stage Leaf spot and leaf blight disease Maire Flowering stage Vegetation stage Maire Flowering stage Spraying of Blitox @ 3 g/l of water v found effective against leaf spot. Maire Flowering stage Yweeding in maire plot Yweeding in maire plot Yweeding in maire plot Yweeding in maire plot Yweeding in maire plot	~	<u></u>	Mites and hoppers-	
Scab and leaf blight disease ✓ Use of resistant varieties. Early Cole crop Nursery stage Land preparation ✓ Use of resistant varieties. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Damping off ✓ Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Ginger & Mustard sawfly ✓ Application of carbofuran 3G @100g/m nursery is quite effective. Ginger & Vegetation stage ✓ Weeding in turmeric and ginger field. Maize Flowering stage ✓ Weeding in turmeric and ginger field. Maize Flowering stage ✓ Weeding in maize plot Maize Flowering stage ✓ Weeq	Cowpea	Vegetative stage	T	
Scab and leaf blight disease ✓ Use of resistant varieties. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Early Cole crop Nursery is det catteration Raised bed, nursery bed solarisation. Maize Damping off ✓ Seed treatment with thiram 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g (Apron) kg seed Maize Mustard sawfly ✓ Application of carbofuran 3G @100g/m nursery is quite effective. Ginger & Turmeric Vegetation stage ✓ Weeding in turmeric and ginger field. O Spraying of Blitox @ 3 g/l of water v found effective against leaf spot. Spraying of Blitox @ 3 g/l of water v found effective against leaf s			KOLASIB	
Scab and leaf blight disease ✓ Use of resistant varieties. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. MAMIT MAMIT Added to the stage of the		4	1.	
disease Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccol and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccol and knolkhol. Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccol and knolkhol. Early Cole crop Mamin Mamin ✓ Nursery stage ✓ Raised bed, nursery bed solarisation. Maint Damping off ✓ Bed should be Im width and conventional length. 4 Application of FYM (1.5-2.0 kg/ m ²) Damping off ✓ Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ It of wata at 10-15 DAS are effective. Ginger & Vegetation stage Lungten ✓ Weeding in turmeric and ginger field. Maize Flowering stage Leaf spot and leaf blotch ○ Spraying Dithane M-45 @ 2.5g/litte water or Bavistin @ 1g/litte of water, sprayings should be given forthnigl intervals. ○ Spraying of Blitox @ 3 g/l of water or 6ound effective against leaf spot. Maize Flowering stage Lawise treat and any affected kernels. The of the ear and any affected kernels. The o			14 mg	
Early Cole crop Nursery stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Maize Maize Maize Flowering stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Maize Flowering stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Maize Flowering stage Land preparation ✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Maize Flowering stage Line for any preparation of FYM (1.5-2.0 kg/m² + Line sowing of seeds (7-10cm) SERCHH ✓ Seed treatment with thiram 3g/kg seed on Trichoderma wirite 4g+ metalaxyl 4g (Apron)/ kg seed Vegetation stage ✓ Mustard sawfly ✓ Application of carbofuran 3G @ 100g/m nursery is quite effective. Vegetation stage LUNGLEI ✓ Weeding in turmeric and ginger field. Maize Flowering stage ✓ Spraying Dithane M-45 @ 2.5g/litte water or Bavistin @ 1g/litte of water, sprayings should be given forthnigl intervals. Spraying of Blitox @ 3 g/l of water v found effective against leaf spot. ✓ Weeding in maize plot ✓ Topdressing with urea fertilizer. If earworm damage occurs, clipp off the of the ear and any affected kernels. The of the ear and any affected kernels. The of the ear and any affected kernels.		5	9	✓ Use of resistant varieties.
MAMIT Amit cauliflower, broccoli and knolkhol. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m ²) Line sowing of seeds (7-10cm) Damping off Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of wat at 10-15 DAS are effective. Ginger & Vegetation stage Vegetation stage Turmeric Leaf spot and leaf blotch Maize Flowering stage Maize Flowering stage Maize Flowering stage Maize Flowering stage			disease	
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Conventional length. Application of FYM (1.5-2.0 kg/m ²) Line sowing of seeds (7-10cm) Line sowing of seeds (7-10cm) Damping off Seed treatment with thiram 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of wat at 10-15 DAS are effective. Ginger & Vegetation stage Mustard sawfly Turmeric Leaf spot and leaf blotch Blotch Spraying Dithane M-45 @ 2.5g/litre water or Bavistin @ 1g/litre of water, sprayings should be given forthnigh intervals. Maize Flowering stage Maize Flowering stage Pest: SAIMA Corn earworm If earworm damage occurs, clipp off the of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. The former stage of the ear and any affected kernels. <td></td> <td>7 MAMIT</td> <td></td> <td>Raised bed, nursery bed solarisation.</td>		7 MAMIT		Raised bed, nursery bed solarisation.
Conventional length. Application of FYM (1.5-2.0 kg/m²] Line sowing of seeds (7-10cm) 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 wat at 10-15 DAS are effective. Mustard sawfly Vegetation stage Turmeric Leaf spot and leaf blotch blotch Spraying Dithane M-45 @ 2.5g/litre water or Bavistin @ 1g/litre of water, sprayings should be given forthnigh intervals. Spraying of Blitox @ 3 g/l of water v found effective against leaf spot. Yeeding in maize plot Yeeding in maize plot Yeeding in maize plot Yest: Corn earworm of the ear and any affected kernels. The of the ear and any affected kernels.		S.	LATTONN 1	📕 🤞 Bed should be 1m width and
Maize Flowering stage Maize Flower			Current 1	conventional length.
Maize Flowering stage Maize Flower			5	
Damping off ✓ Seed treatment with thiram 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed SERCHIN ✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of wata at 10-15 DAS are effective. Ginger & Vegetation stage ✓ Application of carbofuran 3G @100g/m nursery is quite effective. Ginger & Vegetation stage ✓ Weeding in turmeric and ginger field. Mustard sawfly ✓ Weeding in turmeric and ginger field. Maize Flowering stage ✓ Weeding in maize plot Maize Flowering stage ✓ Weeding in maize plot Y Pest: SAIMA Corn earworm ✓ If earworm damage occurs, clipp off the of the ear and any affected kernels. The provide the ear and any affected kernels. The provertis the provide the ear and any affected ker		1	No. and	
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Ginger & Turmeric Vegetation stage · Application of carbofuran 3G @ 100g/m nursery is quite effective. Ginger & Vegetation stage · Weeding in turmeric and ginger field. Ginger & Vegetation stage · Weeding in turmeric and ginger field. Mustard sawfly · Weeding in turmeric and ginger field. Maize Flowering stage · Weeding in turmeric and ginger field. Maize Flowering stage · Weeding in maize plot Pest: · Topdressing with urea fertilizer. · If earworm damage occurs, clipp off the of the ear and any affected kernels. The rest			SERCHH	
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Maize Flowering stage Maize Flowering stage Pest: Salue Corn earworm - If earworm damage occurs, clipp off the of the ear and any affected kernels. The pest:		vegetation stage	LUNGLEI	weeding in turmerie and ginger neid.
blotch water or Bavistin @ 1g/litre of water, sprayings should be given forthnigh intervals. Maize Flowering stage • Spraying of Blitox @ 3 g/l of water vertice against leaf spot. Maize Flowering stage • Weeding in maize plot Image: Pest: Saling Corn earworm • If earworm damage occurs, clipp off the of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels.	Turmerie		Loof coat and loof	Constructing Dithana M 15 @ 25g/litra
Maize Flowering stage Pest: SAILA If earworm damage occurs, clipp off the of the ear and any affected kernels. The rest 			-	
Maize Flowering stage Intervals. Maize Flowering stage Veeding in maize plot Image: Solution of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels.		-	DIOICII	Ū
Maize Flowering stage Maize Flowering stage Maize Flowering stage Meeding in maize plot Topdressing with urea fertilizer. Pest: SAIMA If earworm damage occurs, clipp off the of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. 			P V	
Maize Flowering stage ✓ Weeding in maize plot Maize Flowering stage ✓ Weeding in maize plot Pest: ✓ Topdressing with urea fertilizer. Optimize Pest: ✓ If earworm damage occurs, clipp off the of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels.				
Maize Flowering stage ✓ Weeding in maize plot LAWNGTLAL ✓ Topdressing with urea fertilizer. Pest: SAIHA Corn earworm - If earworm damage occurs, clipp off the of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels. The point of the ear and any affected kernels.			1 4 4	
LAWNGTLAL ✓ Topdressing with urea fertilizer. Pest: SAIHA - If earworm damage occurs, clipp off the of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels. The perturbation of the ear and any affected kernels.			t v	
Pest: SAINA - If earworm damage occurs, clipp off the corn earworm Corn earworm - of the ear and any affected kernels. The corn earworm	Maize	Flowering stage	L'anning and	
Corn earworm of the ear and any affected kernels. The				
				in car worth authage secure, empp off the t
of should be fine to eat.			Corn earworm	
			1 128	of should be fine to eat.
			1 N N	3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



		0	- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metalli
			shine tape and the other silver that reflect
		1	sunlight causing flashing effect is effectiv
		2 8	in scaring birds.
	14	Maria and	- Automatic acetylene exploders or bird
	1	KOLASIB	scaring gun that produce periodically lou
		LA N	noise have been suggested.
Rice	Flowering Stage	3 1	✓ One hand weed will require.
Mee	The wering Stage		✓ Application of split dose of Urea.
		Rice Stem borer	 Destroy egg masses.
		Kice Stem borer	 Spraying of monocrotophos 20ml/10lt wate
	> MAMIT	1	or Imidacloprid 20ml/10lt water.
	2	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml/
	1	Gunun bug	or endosulfan 35 EC @ 1.5 ml/ml
			 Insecticide application should be done if the
		1 5	population reaches ETL of 1 nymph of
	4	1 1	adult/ hill.
		Leaf blast	Judicious application of nitrogenou
	A 5	Leai Diasi	fertilizer.
	0	SERCHHI	
		1~7	or edifenphos @ 1ml/lt when first sympton
			are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
IIg	An stages	Reproductive	1. Cuting of positive pigs of pigiets.
		Respiratory	2
	<u>}</u>	Syndrome (PRRS).	E.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at
	induit stuge		months and yearly interval/6 month interva
Cattle	All age group	Foot and Mouth	 FMD vaccine at 16 week and repeat every
0	•8• 8- •••P	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	- oung bunge	Lancia Quarter (DQ)	 Primary vaccination 6 month or above
			 Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	 F1 vaccine at (1-6) days of birth and R₂
i outri y	mun stage	SAIHA	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	Larry stage	Cottinosis	
		2 MI	
		NY N. P	4 Page



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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 SAIHA



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



District: Mamit

Mandarin

Bulletin No: -455/2014/ Bulletin/English

Period: 04-08, October, 2014

Dated: 03rd October, 2014

		1	2		
Parameters	04-10-2014	05-10-2014	06-10-2014	07-10-2014	08-10-2014
Rainfall (mm)	0	коразів	8	5	8
Max Temp (oC)	31	33	33	31	31
Min Temp (oC)	16	19	19	19	17
Cloud Coverage	Clear sky	Clear sky M	Aainly clear	Mainly clear	Clear sky
Max RH (%)	99	- 99	99	99	99
Min RH (%)	51	> 51	54	74	59
Wind Speed (Km	p H) 4	4	2	2	2
Wind Direction	E	E	E	S-E	E
STATUS OF MON	Southerly- <mark>S</mark> , South NSOON- August 1-30, 20		and the second sec		
Kolasib- 372.1r (19.16)		329.7mm Man -28.00)	nit-376.0 mn (-20.69)		78.0mm 33)
	mary of the past	Weather forec			, 2014 To 08 th
thre	e days			er, 2014.	
	3	There is a chance of and minimum tempe and 16-19 ⁰ C. Maxir 99% and minimum	eratures for the num relative h	next 5 days may umidity is expected	range for 31-33 ⁰ ed in the range o
		southeasterly with th			
	Ş	prevail during the ne	2	<i>e rainfall:</i> 21.0mr	n
Main Crop/	Stage	Cultural practices	s/ Agric	ultural / Horticul	tural/ animal
Animal		Pest/ Diseases	5	husbandry advi	
/Fisheries		A SAI	HA A	·····	
Khasi	Vegetative stage	Canker		ne diseased and dea	ad twigs
	, counte stage	Culliser	- i rune u	ie discused and dea	uu twigo.

• Wound dressing with Bordeaux paste and

1 | Page

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



	2	KOLASIB	 mulch with dry grass to conserve moisture and suppress the growth of weed. For canker, spray streoptomycin 2g + copperoxycholoride 8 g /10 lt of water. Excess water removes from the base of the plant.
Banana	Vegetative/ harvesting	AIZAVIL	 Remove water sucker, keep 1or 2 plants in a single place. Remove sword sucker and use it as new planting material. Excess water removes from the base of the plant. Fertilizer application in split dose of recommended dose. Harvest fruits when the flower tips of the
Pineapple	Vegetative stage	SERCHHI	 fruit dehiscent. Clean the vicinity of plants by weeding and loosen up the soil. Remove slips and use it as a new planting material. Sucker dipping treatment with Bavistin @ 3g + Chloropyriphos @ 1 g/lt of water to protect against soil borne disease and insect. Weeding and intercultural operation.
Cucurbits	Vegetative stage	LUNGLEI	 Nursery raising for offseason cucurbits.
	5	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.
Brinjal	Vegetative stage	LAWNGTLAL	 Weeding near the plant Fertilizer application in split dose of recommended dose. Draining of excess water and preparation mound near the base.
		Disease:	$\overline{\circ}$ Seed treatment with captan, thiram or
		NY P	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			chlorothalonil will attactivally control this
		Damping off-	chlorothalonil will effectively control this disease.
		Pest:	 Sulfur fungicides can be used to control
			-
		Mites and hoppers-	this pest.
Cowpea	Vegetative stage	T	 Trilling into bower structure.
		KOLASIB	Weeding near the plant
	1	(. C	Draining of excess water and preparatio
		Why (mound near the base.
	5	Scab and leaf blight	✓ Use of resistant varieties.
		disease	
Early Cole crop	Nursery stage	Land preparation	 Nursery preparation for cabbage,
	2	1	cauliflower, broccoli and knolkhol.
	7 MAMIT		Raised bed, nursery bed solarisation.
	5	LAIZAWIL 1	HANNE Bed should be 1m width and
		C Unediane :	conventional length.
	1	5	Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
	1		Line sowing of seeds (7-10cm)
		Damping off	\checkmark Seed treatment with thiram 3g/kg seed or
	2 6		Trichoderma viride 4g+ metalaxyl 4g
	3.)		(Apron)/ kg seed
	5	SERCHH	
	1	W-L	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
		Mustard sawfly	✓ Application of carbofuran 3G @100g/m ² i
	1		nursery is quite effective.
Ginger &	Vegetation stage	www.ester	✓ Weeding in turmeric and ginger field.
Turmeric	, egetation stuge	LUNGLEI	in turnierte una ginger field.
Turmerie	1	Leaf spot and leaf	o Spraying Dithane M-45 @ 2.5g/litre o
		blotch	water or Bavistin @ 1g/litre of water, 2-
		Dioten	sprayings should be given forthnight
			intervals.
		27 001	• Spraying of Blitox @ 3 g/l of water wa
		1 Li Y	
		Y I	found effective against leaf spot.
Maize	Flowering stage	LAWNGTLAN	✓ Weeding in maize plot
			✓ Topdressing with urea fertilizer.
		Pest: SAIHA	in car worth authage occurs, enpp off and a
		Corn earworm	of the ear and any affected kernels. The res
		1 22 1	of should be fine to eat.
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		6	- Crop rotation with leguminous crop.
		Birds	- Reflecting tape poly propylene metalli
			shine tape and the other silver that reflect
		1. 2	sunlight causing flashing effect is effectiv
		2 8	in scaring birds.
	1	KOLASIB	- Automatic acetylene exploders or bird
	1	NULROID	scaring gun that produce periodically lou
		LA.	noise have been suggested.
Rice	Flowering Stage	111	\checkmark One hand weed will require.
			\checkmark Application of split dose of Urea.
	1	Rice Stem borer	 Destroy egg masses.
	1		 Spraying of monocrotophos 20ml/10lt wate
	7 MAMIT	(1)	or Imidacloprid 20ml/10lt water.
	5	Gundhi bug	Spray monocrotophos 36 WSC @ 1.5 ml/
	N	Current P	or endosulfan 35 EC @ 1.5 ml/ml
			Insecticide application should be done if th
	1	1. 18. 1	population reaches ETL of 1 nymph of
			adult/ hill.
		Leaf blast	 Judicious application of nitrogenou
	12	1	fertilizer.
	1	SERCHHI	Spraying with arefolder (Deality) conspiny
	1	No hay	or edifenphos @ 1ml/lt when first symptor
DI			are notice.
Pig	All stages	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	F.
	Adult stage	Syndrome (PRRS). Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Auun stage	Swille level.	months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth	 FMD vaccine at 16 week and repeat every
Cutile	in age group	Disease (FMD)	month.
	Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
	I build stuge	Diack Quarter (DQ)	 Primary vaccination 6 month or above
			 Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at (1-6) days of birth and R ₂ I
- Cuiti J	Trant Suge	A SAIHA	vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
	ougo		
		201 5	

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