

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: -493/2015/ Bulletin/English Date of issue: 17th February, 2015 18.02.2015 20.02.2015 **Parameters** 19.02.2015 21.02.2015 22.02.2015 Rainfall (mm) 0 0 0 0 0 29 Max Temp (oC) 2730 28 28 Min Temp (oC) 12 13 7 10 11 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Clear sky **Max RH (%)** 75 66 64 62 65 Min RH (%) 22 211724 24 Wind Speed (KmpH) 4 4 4 4 4 ***Wind Direction** Е E E E E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis) Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Weather-forecast valid from 18th February, 2015 To 22nd Weather summary of the past SERCHHIP February, 2015. three days There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 7-13^oC. Maximum relative humidity is expected in the range of 62-75% and minimum may from 17-24%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days. Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ Cultural practices/ Stage Animal Pest/ Diseases husbandry advisories /Fisheries Vegetative/ Provide irrigation 10-15 days internal. Khasi Application of dry leaf mulch or paddy Harvesting stage Mandarin LAWNGTLA husk to a thickness of about 8 cm. in the SAIHA basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. 1 | Page



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		Application of split dose of fertilizer 600:
		200:100 (g/pt).
		Apply micro-nutrients viz. zinc, copper,
		manganese, iron, boron and molybdenum
)	are required in ample quantities for
		and the second state of th
		disorders which may lead to decline of the
	1	whole orchard.
	(Apply Bordeaux mixture to the plant after
	7	pruning.
	1	Fruits are harvested when they attain full
	l l	size, develop attractive colour with
	Smanut	optimum sugar and acid blend.
Oil plam	MAMIT Vocatotivo/	
Oil plam	Vegetative/	AIZAWL Provide irrigation 10-15 days internal. AIZAWL Application of dry leaf mulch or paddy
	Harvesting stage	husk to a thickness of about 8 cm. in the
	1	
	h, h	basin keeps down the weed growth and
		decreases the number of irrigations and
		also improves fruit quality.
		Application of split dose of fertilizer 600:
		SERCHHIP 200:100 (g/pt).
		Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum
		are required in ample quantities for supplying putrients and also reduce serious
		supplying nutrients and also reduce serious
		LUNGLEI disorders which may lead to decline of the whole orchard.
	2	
	1	Apply Bordeaux mixture to the plant after
		pruning.
		size, develop attractive colour with
		-
Donono	Vagatatival	optimum sugar and acid blend.
Banana	Vegetative/	Provide irrigation 10-15 days internal.
	harvesting	
		SAIHA basin keeps down the weed growth and decreases the number of irrigations and
		also improves fruit quality.



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Pineapple	Vegetative stage	KOLASIB	Cover crops like sweet potato, etc., can also
			be grown to conserve soil moisture. Mulching with straw and other plant materials is the technique for soil moisture conservation.
Brinjal	Fruiting stage	LONGLEI	4 Weeding near the plant
		-	+ Fertilizer application in split dose of
		a ?~	recommended dose.
			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
	T	Mites and hoppers-	this pest.
Cucurbitaceous	Fruiting stage	C SAIHA	Provide irrigation every 7 days interval which will give better yield
crop			which will give better yield. In large gardens apply carbaryl 0.2 per
			3 P a g e



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	\sum	KOLASIB	 cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	The l	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation.
Broccoli	Card formation stageMAMIT	AIZAWL	 Provide split dose of fertilizer to the plant (50 g/pt). Provide additional amount of irrigation to the plant for formation of card. Reduce moisture less with intercrop with different legume like pea, lentil and gram. Sow one or two mustard line after every 25 rows of broccoli.
Mustard and toria	Flowering stage	SERCHHI	 Weeding in the toria plot. Provide irrigation in the field. Top dressing with urea if available or apply cow dung.
Pea	Flowering Stage	LUNGAphid	 Weeding in the pea plot. Provide irrigation in the field. In case of aphid infestation apply Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation to the plant.
		Damping off LAWNGTLAL SAIHA	 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
		Leaf spot and leaf	at 10-15 DAS are effective. Spraying Dithane M-45 @ 2.5g/litre of 4 P a g e



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		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5	\sum	 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation	KOLASIB	 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging
	AMMIT	The second secon	 by spade. Prepare beds of convenient length (across the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing between the beds.
	5	AIZAWL C	Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	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_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		Mr.N	2





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	;	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	ķ,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	ŀ	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

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

18-22



2015

February,

District: Kolasib

Bulletin No: -493	3/2015/ Bulletin/	English	Date of	issue: 17 th Feb	ruary, 2015
Parameters	18.02.2015	19.02.2015	20.02.2015	21.02.2015	22.02.2015
Rainfall (mm)	0	KOIOASIR	0	11	0
Max Temp (oC)	26	28	28	28	28
Min Temp (oC)	7	8	9	12	11
Cloud Coverage	Clear sky	Clear sky	🖌 Clear sky	Mainly clear	Clear sky
Max RH (%)	93	94	95	97	96
Min RH (%)	29	26	27	32	33
Wind Speed (Kmp	pH) 4	4	4	4	4
*Wind Direction	S ELAMIT	S-E	E	S-E	S-E
		h-Easterly- <mark>N-E</mark> , E			
	Southerly- <mark>S</mark> , Sout				
	SOON- January 1-31,				
Kolasib- 0.00			Kolasib- 0.00 n		ib- 0.00 mm
(0.00		(0.00mm)	(0.00n		(0.00mm)
Serchhip-0.00			Serchhip-0.00n		hip-0.00mm
(0.00		(0.00mm)	(0.00m		(0.00mm)
Weather sum	mary of the past	Weather-fore	cast valid fron	1 18 th February	^r , 2015 To 22 nd
thre	e days 🛛 📶			ry, 2015.	
	range for maximum	There is a chance		• /	next 1 day. Th
	ere $23.4-24.6^{\circ}$ C and	maximum and mir		U	•
	ctively. Partially sky	$26-28^{\circ}C$ and $7-12$			
	Wind direction is	range of 93-97%			
	m RH observed 59-	would be southeas			
~	of 32-41%. Rainfall		-	1 1	ci iloui. Cicai sk
	past three days is	will prevail during the next five days.			
02.0mm.	past tillee days is		Ve althe annual ation	a nainfall, 11 0 m	
	<u>C</u> 4			<i>e rainfall:</i> 11.0 m	
Main Crop/	Stage	Cultural practic		ultural / Horticul	
Animal		Pest/ Diseases		husbandry advi	Isories
/Fisheries			\		
Khasi	Vegetative/	1 × (e irrigation 10-15	
Mandarin	Harvesting stage			ation of dry leaf	-
				o a thickness of a	
		(5)		keeps down the	
			decrea	ses the number	of irrigations an
			also in	proves fruit qualit	y.
				•	-
			C		1 P a g e



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		Application of split dose of fertilizer 600:
		200:100 (g/pt).
		Apply micro-nutrients viz. zinc, copper,
		manganese, iron, boron and molybdenum
	\rightarrow	are required in ample quantities for
		and the second state and share and s
		KOLASIB disorders which may lead to decline of the
		whole orchard.
	(Apply Bordeaux mixture to the plant after
	2	pruning.
		Fruits are harvested when they attain full
		size, develop attractive colour with
	AMAMIT	optimum sugar and acid blend.
Oil plam	Vegetative/	 Provide irrigation 10-15 days internal.
On plain	Harvesting stage	AIZAWL Application of dry leaf mulch or paddy
	Haivesting stage	husk to a thickness of about 8 cm. in the
		basin keeps down the weed growth and
		decreases the number of irrigations and
		also improves fruit quality.
		Application of split dose of fertilizer 600:
		Apply micro-nutrients viz. zinc, copper,
		manganese, iron, boron and molybdenum
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		disorders which may lead to decline of the
		LUNGLEI Visorders which may lead to decline of the whole orchard.
		Apply Bordeaux mixture to the plant after
		pruning.
		Fruits are harvested when they attain full
		size, develop attractive colour with
		optimum sugar and acid blend.
Banana	Vegetative/	Provide irrigation 10-15 days internal.
	harvesting	Application of dry leaf mulch or paddy
		LAWNGTLAL
		SAIHA basin keeps down the weed growth and
		decreases the number of irrigations and
		also improves fruit quality.
		\downarrow \downarrow \downarrow \downarrow \downarrow Application of split dose of fertilizer 600:
		2 Page



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Pineapple	Vegetative stage	KOLASIB AIZAWIL SERCHHII	 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or suckers, keeps production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour. Colocassia, yam, chilies, cabbage, cauliflower, sweet potato, pigeon pea, green gram, black gram, sesame, etc. intercrop with pine apple which give additional income to farmer. Pineapple plants should be irrigated with five or six irrigations during the dry months at intervals of 20–25 days. Cover crops like sweet potato, etc., can also be grown to conserve soil moisture. Mulching with straw and other plant materials is the technique for soil moisture
		LUNCLEI	conservation.
Brinjal	Fruiting stage		 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation in the plant.
		Disease: Damping off-	• Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	• Sulfur fungicides can be used to control this pest.
Cucurbitaceous crop	Fruiting stage	SAIHA	 Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per
		AN Y	3 P a g e
			5 1 ag c



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		KOLASIB	 cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	"End	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation.
Broccoli	Card formation stageMAMIT	AIZAWL	 Provide split dose of fertilizer to the plant (50 g/pt). Provide additional amount of irrigation to the plant for formation of card. Reduce moisture less with intercrop with different legume like pea, lentil and gram. Sow one or two mustard line after every 25 rows of broccoli.
Mustard and toria	Flowering stage	SERCHH	 Weeding in the toria plot. Provide irrigation in the field. Top dressing with urea if available or apply cow dung.
Pea	Flowering Stage	LUNG Aphid	 Weeding in the pea plot. Provide irrigation in the field. In case of aphid infestation apply Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation to the plant.
		Damping off LAWNGTLAI SAIHA	
		Leaf spot and leaf	at 10-15 DAS are effective.



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		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5	\sum	 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation		 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging
	AMAMIT	The	 by spade. Prepare beds of convenient length (across the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing between the beds.
	MAMIT	AIZAWL O	 Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	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_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		M.N	2





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	K	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	¢,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	ŀ	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

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

Period: 18-22	February,	2015
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Bulletin No: -493/2015/ Bulletin/English Date of issue: 17th February, 2015 18.02.2015 20.02.2015 **Parameters** 19.02.2015 21.02.2015 22.02.2015 Rainfall (mm) 0 0 0 0 0 Max Temp (oC) 29 30 29 29 31 Min Temp (oC) 8 11 12 13 13 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Clear sky **Max RH (%)** 75 68 67 67 71Min RH (%) 22 2118 24 27 Wind Speed (KmpH) 5 5 4 4 4 ***Wind Direction** Е E E E E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis) Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Weather-forecast valid from 18th February, 2015 To 22nd Weather summary of the past SERCHHIP February, 2015. three days There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 8-13⁰C. Maximum relative humidity is expected in the range of 67-75% and minimum may from 18-24%. Wind direction would be easterly with the wind speed of 4-5 km per hour. Clear sky will prevail during the next five days. Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ Cultural practices/ Stage Animal Pest/ Diseases husbandry advisories /Fisheries Vegetative/ Provide irrigation 10-15 days internal. Khasi Application of dry leaf mulch or paddy Harvesting stage Mandarin LAWNGTLA husk to a thickness of about 8 cm. in the SAIHA basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. 1 | Page



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			4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
			4 Apply micro-nutrients viz. zinc, copper,
		1	manganese, iron, boron and molybdenum
			are required in ample quantities for
		KOLASIB	supplying nutrients and also reduce serious
		, KULASIB	disorders which may lead to decline of the
		LA N	whole orchard.
	(3 4 /	4 Apply Bordeaux mixture to the plant after
	2		pruning.
	1		Fruits are harvested when they attain full
			size, develop attractive colour with
	A MAMIT		optimum sugar and acid blend.
Oil plam	Vegetative/		 Provide irrigation 10-15 days internal.
	Harvesting stage	AIZAWL C	Application of dry leaf mulch or paddy
	ind vesting stage		husk to a thickness of about 8 cm. in the
		5	basin keeps down the weed growth and
	5		decreases the number of irrigations and
) 🏊		also improves fruit quality.
			4 Application of split dose of fertilizer 600:
		SERCHHI	
			Apply micro-nutrients viz. zinc, copper,
			manganese, iron, boron and molybdenum
			are required in ample quantities for
			supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		LUNGLEI	whole orchard.
		_	Apply Bordeaux mixture to the plant after
	L L		pruning.
			Fruits are harvested when they attain full
			size, develop attractive colour with
			optimum sugar and acid blend.
Banana	Vegetative/		+ Provide irrigation 10-15 days internal.
	harvesting		Application of dry leaf mulch or paddy
			husk to a thickness of about 8 cm. in the
		/ SAIHA	basin keeps down the weed growth and
			decreases the number of irrigations and
		1 C	💫 also improves fruit quality.
		2 1 1 5	4 Application of split dose of fertilizer 600:
		V V T	2 P a g e



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			200:100 (g/pt).
			\downarrow Apply micro-nutrients viz. zinc, copper,
		5	manganese, iron, boron and molybdenum
		1	are required in ample quantities for
		5	supplying nutrients and also reduce serious
		KOLASIB	disorders which may lead to decline of the
	L		whole orchard.
)	(A)	4 Pruning on a regular basis removes
	ς	2 1 (unwanted or suckers, keeps production
			mats in optimum condition, saves fertilizer,
			reduces pest and disease.
	l l		Fruits are harvested when they attain full
	/ MAMIT		size, develop attractive yellow colour.
Pineapple	Vegetative stage	AIZAWL O	Colocassia, yam, chilies, cabbage,
			cauliflower, sweet potato, pigeon pea,
			green gram, black gram, sesame, etc.
	<u> </u>		intercrop with pine apple which give
			additional income to farmer.
			+ Pineapple plants should be irrigated with
			five or six irrigations during the dry months at intervals of 20–25 days.
		SERCHHI	Cover crops like sweet potato, etc., can also
			be grown to conserve soil moisture.
			4 Mulching with straw and other plant
	j j	N 100	materials is the technique for soil moisture
			conservation.
Brinjal	Fruiting stage	LUNGLEI	Weeding near the plant
J	0		Fertilizer application in split dose of
			recommended dose.
	,		4 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
		Mites and hoppers-	this pest.
Cucurbitaceous	Fruiting stage	SAIHA	Provide irrigation every 7 days interval
crop			which will give better yield.
		l l l	4 In large gardens apply carbaryl 0.2 per
		V 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)



		KOLASIB	 cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	"EL	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation.
Broccoli	Card formation stageMAMIT	AIZAWL	 Provide split dose of fertilizer to the plant (50 g/pt). Provide additional amount of irrigation to the plant for formation of card. Reduce moisture less with intercrop with different legume like pea, lentil and gram. Sow one or two mustard line after every 25 rows of broccoli.
Mustard and toria	Flowering stage	SERCHHI	 Weeding in the toria plot. Provide irrigation in the field. Top dressing with urea if available or apply cow dung.
Pea	Flowering Stage	LUNGAphid	 Weeding in the pea plot. Provide irrigation in the field. In case of aphid infestation apply Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation to the plant.
		Damping off LAWNGTLAL SAIHA	 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.
		Leaf spot and leaf	O Spraying Dithane M-45 @ 2.5g/litre of
		<u> </u>	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)



		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5	\sum	 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation	KOLASIB	 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging
		The second	 by spade. Prepare beds of convenient length (across the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing between the beds.
	AMAMIT	AIZAWL O	 Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	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_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		Mr.	2





ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	ķ,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

	<u>ا</u>		
Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			<u>kvknahthial@gmail.com</u>
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei

Perioa:	18-22	repruary,	2015

Bulletin No: -493/2015/ Bulletin/English Date of issue: 17th February, 2015 18.02.2015 20.02.2015 **Parameters** 19.02.2015 21.02.2015 22.02.2015 Rainfall (mm) 0 0 0 0 0 Max Temp (oC) 28 29 28 28 31 Min Temp (oC) 7 9 10 11 12 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Clear sky **Max RH (%)** 89 88 94 74 80 Min RH (%) 22 23 21 26 27 Wind Speed (KmpH) 4 4 4 4 4 ***Wind Direction** Е E E E E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis) Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Weather-forecast valid from 18th February, 2015 To 22nd Weather summary of the past SERCHHIP February, 2015. three days There is no chance of rainfall during the next 5 day. The maximum and minimum temperatures for the next 5 days may range for 28-31°C and 7-12°C. Maximum relative humidity is expected in the range of 74-94% and minimum may from 21-27%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days. Weekly cumulative rainfall: 00.0 mm Agricultural / Horticultural/ animal Main Crop/ Cultural practices/ Stage Animal Pest/ Diseases husbandry advisories /Fisheries Vegetative/ Provide irrigation 10-15 days internal. Khasi Application of dry leaf mulch or paddy Harvesting stage Mandarin LAWNGTLA husk to a thickness of about 8 cm. in the SAIHA basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.



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			4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
			4 Apply micro-nutrients viz. zinc, copper,
		1	manganese, iron, boron and molybdenum
			are required in ample quantities for
		KOLASIB	supplying nutrients and also reduce serious
		NOCASID >	disorders which may lead to decline of the
	}	Le V	whole orchard.
	(3 1	4 Apply Bordeaux mixture to the plant after
	1		pruning.
			Fruits are harvested when they attain full
			size, develop attractive colour with
	A MAMIT		optimum sugar and acid blend.
Oil plam	Vegetative/		 Provide irrigation 10-15 days internal.
	Harvesting stage	AIZAWL C	+ Application of dry leaf mulch or paddy
	Hui vesting stage	1	husk to a thickness of about 8 cm. in the
		ι (<u></u>	basin keeps down the weed growth and
	5		decreases the number of irrigations and
) 🔊		also improves fruit quality.
	\ <u>\</u>		Application of split dose of fertilizer 600:
		SERCHHI	
	l i i i i i i i i i i i i i i i i i i i		Apply micro-nutrients viz. zinc, copper,
			manganese, iron, boron and molybdenum
			are required in ample quantities for
			supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		LUNGLEI	whole orchard.
			Apply Bordeaux mixture to the plant after
		₹~~_	pruning.
	· · · · · · · · · · · · · · · · · · ·		Fruits are harvested when they attain full
			size, develop attractive colour with
			optimum sugar and acid blend.
Banana	Vegetative/		Provide irrigation 10-15 days internal.
	harvesting		Application of dry leaf mulch or paddy
	0		husk to a thickness of about 8 cm. in the
		- SAIHA	basin keeps down the weed growth and
			decreases the number of irrigations and
			also improves fruit quality.
		1221	$\overline{4}$ Application of split dose of fertilizer 600:
L			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)



Pincapple Vegetative stage Pincapple Vegetative stage Pincapple Vegetative stage SERCHN SERCHN SERCHN SERCHN Brinjal Fruiting stage Brinjal Fruiting stage Brinjal Fruiting stage Brinjal Fruiting stage Objecase: 0 Seed treatment with captan, thiram or 0 Seed treatment with captan, thiram or				
Brinjal Fruiting stage Weeding near the plant Brinjal Fruiting stage Weeding near the plant Fertilizer application in split dose. Fertilizer application in the plant. Disease: Disease: Damping off- Seed treatment with captan, thiram or chlorothalonil will effectively control t disease. Cucurbitaceous crop Fruiting stage Fruiting stage SAIHA Provide irrigation every 7 days into which will give better yield.	Pineapple		AIZAWL	 Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or suckers, keeps production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour. Colocassia, yam, chilies, cabbage, cauliflower, sweet potato, pigeon pea, green gram, black gram, sesame, etc. intercrop with pine apple which give additional income to farmer. Pineapple plants should be irrigated with five or six irrigations during the dry months at intervals of 20–25 days. Cover crops like sweet potato, etc., can also be grown to conserve soil moisture.
Brinjal Fruiting stage Weeding near the plant Brinjal Fruiting stage Weeding near the plant Fruiting stage Fertilizer application in split dose recommended dose. Provide irrigation in the plant. Provide irrigation in the plant. Disease: Seed treatment with captan, thiram or chlorothalonil will effectively control the disease. Pest: Sulfur fungicides can be used to control this pest. Cucurbitaceous crop Fruiting stage SAIHA Provide irrigation every 7 days intervented with will give better yield.				materials is the technique for soil moisture
Herrilizer application in split dose Disease: Damping off- Damping off- Herrilizer application in the plant. Oseed treatment with captan, thiram or chlorothalonil will effectively control the disease. Herrilizer application every 7 days intervention Cucurbitaceous crop Fruiting stage SAIHA Herrilizer application every 7 days intervention Which will give better yield.			LUNGLEI	
Disease: • Seed treatment with captan, thiram or chlorothalonil will effectively control t disease. Damping off- • Seed treatment with captan, thiram or chlorothalonil will effectively control t disease. Description • Sulfur fungicides can be used to control this pest. Cucurbitaceous crop • Fruiting stage Fruiting stage • Salition • Provide irrigation every 7 days intervented with will give better yield.	Brinjal	Fruiting stage	a p	Fertilizer application in split dose of recommended dose.
Damping off- chlorothalonil will effectively control t Image: Cucurbitaceous crop Fruiting stage O Sulfur fungicides can be used to control this pest. Image: Cucurbitaceous crop Fruiting stage SAIHA Provide irrigation every 7 days intervented to which will give better yield.			Disease:	
Pest: Sulfur fungicides can be used to control Mites and hoppers- Sulfur fungicides can be used to control Cucurbitaceous Fruiting stage SAIHA Provide irrigation every 7 days into crop Mites and hoppers- SAIHA Provide irrigation every 7 days into				chlorothalonil will effectively control this
Mites and hoppers- this pest. Cucurbitaceous crop Fruiting stage SAIHA Provide irrigation every 7 days into which will give better yield.				
Cucurbitaceous crop Fruiting stage SAIHA Provide irrigation every 7 days into which will give better yield.				C
crop which will give better yield.	C	T:4::		
		Fruiting stage	SAIHA	which will give better yield.
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			cent or malathion 0.15 per cent suspension
			containing sugar or jaggery at 10 g/l at
			fortnightly intervals at flowering and fruit
			initiation against fruit fly and pumpkin
		1	beetle.
		KOLADID	+ Provide split doses of urea (70g/pt) at the
			time of full blooming.
Okra	Sowing stage	LA V	Plough the field with the help of spade.
		13 A L	4 Sow 2 seed 45 X 45 cm spacing.
	2		4 Before sowing seed provide one or two
		2 2 1	irrigation.
Broccoli	Card formation		✤ Provide split dose of fertilizer to the plant
	stageMAMIT		(50 g/pt).
			+ Provide additional amount of irrigation to
	<u> </u>	AIZAWL C	the plant for formation of card.
		1 S S S S S S S S S S S S S S S S S S S	4 Reduce moisture less with intercrop with
			different legume like pea, lentil and gram.
	\ \		4 Sow one or two mustard line after every
	1 1 1		25 rows of broccoli.
Mustard and	Flowering stage		• Weeding in the toria plot.
toria	Sec.	SERCHHI	
			• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage		\checkmark Weeding in the pea plot.
			Provide irrigation in the field.
		LUNG Aphid	• In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	♦ Weeding near the plant
			\diamond Fertilizer application in split dose of
			recommended dose.
		(Sal	Provide irrigation to the plant.
		Damping off	Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LAWNGTLAL	✓ Drenching 1% Bordeaux mixture or 2 g
		SAIHA	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
			415
			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)



		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5		 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation		 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging
	AMAMIT	The second	 by spade. Prepare beds of convenient length (across the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing between the beds.
	- {	AIZAWL	 Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	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_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		M N	2





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

Guwahati)



Expert committee members:

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

Collaborating Department;

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

Mizoram Centre, Kolasib- 796081, MIZORAM

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

Period:

18-22



2015

February,

District: Mamit

Bulletin No: -493	3/2015/ Bulletin/	English	Date of	issue: 17th Feb	ruary, 2015
Parameters	18.02.2015	19.02.2015	20.02.2015	21.02.2015	22.02.2015
Rainfall (mm)	0	KOLASIB	0	11	0
Max Temp (oC)	27	28	29	30	29
Min Temp (oC)	7	8	9	11	12
Cloud Coverage	Clear sky	Clear sky	📝 Clear sky	Mainly clear	Clear sky
Max RH (%)	93	- 91	99	97	94
Min RH (%)	27	25	26	30	32
Wind Speed (Km)	p H) 4	4	2	4	4
*Wind Direction	E	S-E	E	E	S-E
	Northerly- N, Nort	h-Easterly- N-E, Ea	asterly- E, South	-Easterly- <mark>S-E</mark> ,	1
	Southerly- <mark>S</mark> , Sout				
	SOON- January 1-31,				
Kolasib- 0.00			Kolasib- 0.00 n	nm Kolas	ib- 0.00 mm
(0.00	· · · · · · · · · · · · · · · · · · ·	(0.00mm)	(0.00n		(0.00mm)
Serchhip-0.00			Serchhip-0.00n	nm Serch	hip-0.00mm
(0.00)	mm) 🛛 🁌 🏊	(0.00mm)	(0.00m		(0.00mm)
Weather sum	mary of the past	Weather fored	cast valid from	n 18 th February	v. 2015 To 22nd
	e days	SERCHHIP February, 2015.			
		There is a chance maximum and min 27-30 ^o C and 7-12 range of 91-97% would be southeas sky will prevail du	imum temperatur C. Maximum r and minimum r sterly with the wi ring the next five	res for the next 5 c elative humidity is may from 25-329 nd speed of 2-4 k	lays may range for is expected in th 6. Wind direction m per hour. Clea
Main Crop/	Stogo	Cultural practic		ultural / Horticul	
Animal	Stage	Pest/ Diseases		husbandry advi	
		I CSU DISCUSSES	1	nusvanut y auv	1901109
/Fisheries	Veret-t		D	$\frac{1}{10}$	dama intarr - 1
Khasi	Vegetative/			e irrigation 10-15	
Mandarin	Harvesting stage			ation of dry leaf	
			N I I I N	o a thickness of a	
		()	Uasiii I	keeps down the	
			decreas	ses the number	of irrigations and
				proves fruit qualit	
				• •	•
			17		1 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)



		Application of split dose of fertilizer 600:
		200:100 (g/pt).
		Apply micro-nutrients viz. zinc, copper
	5	manganese, iron, boron and molybdenum
		are required in ample quantities for
		KOLASIB
		disorders which may lead to decline of the
	}	whole orchard.
	(Apply Bordeaux mixture to the plant after
	(pruning.
		Fruits are harvested when they attain full
	J	size, develop attractive colour with
	A MAMIT	optimum sugar and acid blend.
Oil plam	Vegetative/	Provide irrigation 10-15 days internal
-	Harvesting stage	AIZAWL Application of dry leaf mulch or paddy
	8 8	husk to a thickness of about 8 cm. in the
	5	basin keeps down the weed growth and
	1 N	decreases the number of irrigations and
		also improves fruit quality.
		Application of split dose of fertilizer 600:
		SERCHHIP (200:100 (g/pt).
	1	Apply micro-nutrients viz. zinc, copper
		manganese, iron, boron and molybdenum
		are required in ample quantities for
		supplying nutrients and also reduce serious
		disorders which may lead to decline of the
		LUNGLEI whole orchard.
		Apply Bordeaux mixture to the plant after
		pruning.
		Fruits are harvested when they attain full
		size, develop attractive colour with
		optimum sugar and acid blend.
Banana	Vegetative/	Provide irrigation 10-15 days internal.
	harvesting	Application of dry leaf mulch or paddy
		husk to a thickness of about 8 cm. in the
		SAIHA basin keeps down the weed growth and
		decreases the number of irrigations and
		Application of split dose of fertilizer 600



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

based on District wise Weather Forecast receive Guwahati)



	2	KOLASIB	200:100 (g/pt). ♣ Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the
	AMAMIT	mar S	 whole orchard. Pruning on a regular basis removes unwanted or suckers, keeps production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour.
Pineapple	Vegetative stage	AIZAWL	 Colocassia, yam, chilies, cabbage, cauliflower, sweet potato, pigeon pea, green gram, black gram, sesame, etc. intercrop with pine apple which give additional income to farmer. Pineapple plants should be irrigated with five or six irrigations during the dry months
Brinjal	Fruiting stage		 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation in the plant.
		Disease: Damping off- Pest:	 Seed treatment with captan, thiram or chlorothalonil will effectively control this disease. Sulfur fungicides can be used to control
Cucurbitaceous crop	Fruiting stage	Mites and hoppers-	this pest. Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per
		r N Y	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)



	7	KOLASIB	 cent or malathion 0.15 per cent suspension containing sugar or jaggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Provide split doses of urea (70g/pt) at the time of full blooming.
Okra	Sowing stage	men l	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation.
Broccoli	Card formation stage MAMIT	AIZAWL	 Provide split dose of fertilizer to the plant (50 g/pt). Provide additional amount of irrigation to the plant for formation of card. Reduce moisture less with intercrop with different legume like pea, lentil and gram. Sow one or two mustard line after every 25 rows of broccoli.
Mustard and toria	Flowering stage	SERCHHI	• Weeding in the toria plot.
Pea	Flowering Stage	LUNG Aphid	 Weeding in the pea plot. Provide irrigation in the field. In case of aphid infestation apply Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation to the plant.
		Damping off LAWNGTLAI SAIHA	 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.
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of
			4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5		 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation	KOLASIB	 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging by spade.
	AMMIT	25	 Prepare beds of convenient length (across the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing between the beds.
	5	AIZAWL	 Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Adult stage	Ranikhet Disease.	• F1 vaccine at $(1-6)$ days of birth and R ₂ B 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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	;	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	ķ,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	ŀ	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

	<u> </u>		
Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com
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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip

Period: 18-22 February, 2015

Bulletin No: -493/2015/ Bulletin/English Date of issue: 17th February, 2015 18.02.2015 20.02.2015 **Parameters** 19.02.2015 21.02.2015 22.02.2015 Rainfall (mm) 0 0 3 0 0 Max Temp (oC) $\overline{27}$ $\overline{27}$ 26 26 26 Min Temp (oC) 7 6 7 10 10 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Clear sky **Max RH (%)** 100 79 100 95 74 Min RH (%) 26 23 28 29 30 Wind Speed (KmpH) 4 4 4 4 4 ***Wind Direction** Е E E E E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis) Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Weather-forecast valid from 18th February, 2015 To 22nd Weather summary of the past SERCHHIP February, 2015. three days There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 26-27°C and 6-10^oC. Maximum relative humidity is expected in the range of 79-100% and minimum may from 23-30%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days. Weekly cumulative rainfall: 03.0 mm Agricultural / Horticultural/ animal Main Crop/ **Cultural practices**/ Stage Animal Pest/ Diseases husbandry advisories /Fisheries Vegetative/ Provide irrigation 10-15 days internal. Khasi Application of dry leaf mulch or paddy Harvesting stage Mandarin LAWNGTLA husk to a thickness of about 8 cm. in the SAIHA basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.



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

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			4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
			4 Apply micro-nutrients viz. zinc, copper,
		2	manganese, iron, boron and molybdenum
			are required in ample quantities for
		KOLASIB	supplying nutrients and also reduce serious
		NOLASID	disorders which may lead to decline of the
			whole orchard.
		3 1 1	Apply Bordeaux mixture to the plant after
	2		pruning.
	1		Fruits are harvested when they attain full
			size, develop attractive colour with
	A MAMIT		optimum sugar and acid blend.
Oil plam	Vegetative/		 Provide irrigation 10-15 days internal.
	Harvesting stage	AIZAWL (C	Application of dry leaf mulch or paddy
	Harvesting stage		husk to a thickness of about 8 cm. in the
			basin keeps down the weed growth and
	5		decreases the number of irrigations and
			also improves fruit quality.
			Application of split dose of fertilizer 600:
		SERCHHI	
			Apply micro-nutrients viz. zinc, copper,
			manganese, iron, boron and molybdenum
			are required in ample quantities for
	j		supplying nutrients and also reduce serious
			disorders which may lead to decline of the
		LUNGLEI	whole orchard.
			Apply Bordeaux mixture to the plant after
		~ ~~	pruning.
			Fruits are harvested when they attain full
			size, develop attractive colour with
			optimum sugar and acid blend.
Banana	Vegetative/		Provide irrigation 10-15 days internal.
	harvesting		Application of dry leaf mulch or paddy
			husk to a thickness of about 8 cm. in the
		/ SAIHA	basin keeps down the weed growth and
			decreases the number of irrigations and
			also improves fruit quality.
			Application of split dose of fertilizer 600:
		N. 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,

basea on District wise weather Porecast recei Guwahati)



Pineapple	Vegetative stage	KOLASIB	green gram, black gram, sesame, etc. intercrop with pine apple which give additional income to farmer.
	P	SERCHHI	 Pineapple plants should be irrigated with five or six irrigations during the dry months at intervals of 20–25 days. Cover crops like sweet potato, etc., can also be grown to conserve soil moisture.
			Hulching with straw and other plant materials is the technique for soil moisture conservation.
Brinjal	Fruiting stage	A C	 Weeding near the plant Fertilizer application in split dose of recommended dose. Provide irrigation in the plant.
		Disease: Damping off-	• Seed treatment with captan, thiram or chlorothalonil will effectively control this disease.
		Pest: Mites and hoppers-	• Sulfur fungicides can be used to control this pest.
Cucurbitaceous crop	Fruiting stage	SAIHA	 Provide irrigation every 7 days interval which will give better yield. In large gardens apply carbaryl 0.2 per
		r A 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)



			cent or malathion 0.15 per cent suspension
			containing sugar or jaggery at 10 g/l at
			fortnightly intervals at flowering and fruit
			initiation against fruit fly and pumpkin
			beetle.
		KOLASIB	+ Provide split doses of urea (70g/pt) at the
			time of full blooming.
Okra	Sowing stage	(A)	Plough the field with the help of spade.
	ι (1 1	Sow 2 seed 45 X 45 cm spacing.
	1		4 Before sowing seed provide one or two
			irrigation.
Broccoli	Card formation		Provide split dose of fertilizer to the plant
	stage		(50 g/pt).
	5	AIZAWL	+ Provide additional amount of irrigation to
			the plant for formation of card.
	1		4 Reduce moisture less with intercrop with
			different legume like pea, lentil and gram.
			Sow one or two mustard line after every
			25 rows of broccoli.
Mustard and	Flowering stage		• Weeding in the toria plot.
toria		SERCHH	C
			• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage		✓ Weeding in the pea plot.
		Anhid	 Provide irrigation in the field. In case of aphid infestation apply
		LUNGAPhid	• In case of aphid infestation apply Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	Weeding near the plant
Tomato		Land preparation	\Rightarrow Fertilizer application in split dose of
			recommended dose.
			 Provide irrigation to the plant.
		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
		SAIHA	1 11 7
			at 10-15 DAS are effective.
		Leaf spot and leaf	Spraying Dithane M-45 @ 2.5g/litre of
			4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5	\sum	 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation		 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging by spade. Prepare beds of convenient length (across
	AMMIT	AIZAWL	 the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing between the beds. Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	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_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		Mr.	2





ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	;	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	ķ,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

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

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period:

18-22



2015

February,

District: Aizawl

Bulletin No: -493	3/2015/ Bulletin/	English	Date of	issue: 17 th Feb	ruary, 2015
Parameters	18.02.2015	19.02.2015	20.02.2015	21.02.2015	22.02.2015
Rainfall (mm)	0	KOLASIB	0	11	0
Max Temp (oC)	25	27	26	27	27
Min Temp (oC)	6	<u> </u>	8	11	10
Cloud Coverage	Clear sky	Clear sky	📝 Clear sky	Mainly clear	Clear sky
Max RH (%)	94	95	100	97	92
Min RH (%)	28	25	27	31	32
Wind Speed (Kmp	H) 4	4	3	4	4
*Wind Direction	E	E	S-E	S-E	S-E
	Northerly- N, North				
STATUS OF MON	Southerly- <mark>S</mark> , Sout SOON- January 1-31,				
Kolasib- 0.00			Kolasib- 0.00 r		<mark>ib-</mark> 0.00 mm
(0.00	mm)	(0.00mm)	(0.00r	nm)	(0.00mm)
Serchhip-0.00	mm Serchhi	p-0.00mm	Serchhip-0.001	nm Serch	hip-0.00mm
(0.001	mm) 🔰 🛌	(0.00mm)	(0.00n	1 m)	(0.00mm)
Weather sum	nary of the past	Weather fore	cast valid from	n 18 th February	. 2015 To 22 nd
	e days	SER	CHHIP Februa	ry, 2015.	
There is a chance of moderate rainfall during the next 1 day. There is a chance of moderate rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range 25-27°C and 6-11°C. Maximum relative humidity is expected in range of 92-100% and minimum may from 25-32%. Wind direct would be southeasterly with the wind speed of 3-4 km per hour. Clasky will prevail during the next five days.				lays may range for is expected in the %. Wind direction m per hour. Clear	
Main Court	64		·	<i>e rainfall:</i> 11.0 m	
Main Crop/ Animal	Stage	Cultural practi Pest/ Disease		cultural / Horticul	
		rest/Disease	8	husbandry advi	1501765
/Fisheries	T 7 4 4 1			• • • • • • • • • •	1 1 1
Khasi	Vegetative/	Y (e irrigation 10-15	•
Mandarin	Harvesting stage				mulch or paddy
					bout 8 cm. in the
		(°	Oubin		weed growth and
					of irrigations and
			also in	nproves fruit qualit	у.
			1		1 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)



		Application of split dose of fertilizer 600:
		200:100 (g/pt).
		Apply micro-nutrients viz. zinc, copper,
		manganese, iron, boron and molybdenum
		are required in ample quantities for
		KOLASIB
		disorders which may lead to decline of the
)	whole orchard.
	(Apply Bordeaux mixture to the plant after
	(pruning.
		Fruits are harvested when they attain full
	J	size, develop attractive colour with
	A MAMIT	optimum sugar and acid blend.
Oil plam	Vegetative/	Provide irrigation 10-15 days internal
	Harvesting stage	AIZAWL Application of dry leaf mulch or paddy
	8 8	husk to a thickness of about 8 cm. in the
	5	basin keeps down the weed growth and
		decreases the number of irrigations and
		also improves fruit quality.
		Application of split dose of fertilizer 600:
		SERCHHIP 200:100 (g/pt).
	1	Apply micro-nutrients viz. zinc, copper,
		manganese, iron, boron and molybdenum
		are required in ample quantities for
		supplying nutrients and also reduce serious
		LUNGLEI disorders which may lead to decline of the
		whole orchard.
		Apply Bordeaux mixture to the plant after
		pruning.
		Fruits are harvested when they attain full
		size, develop attractive colour with
		optimum sugar and acid blend.
Banana	Vegetative/	Provide irrigation 10-15 days internal.
	harvesting	Application of dry leaf mulch or paddy
		husk to a thickness of about 8 cm. in the
		SAIHA basin keeps down the weed growth and
		decreases the number of irrigations and
		also improves fruit quality.
		Application of split dose of fertilizer 600:



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Mizoram Centre, Kolasib- 796081, MIZORAM

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			200:100 (g/pt). ♣ Apply micro-nutrients viz. zinc, copper,
			manganese, iron, boron and molybdenum
	5		are required in ample quantities for
		<pre></pre>	supplying nutrients and also reduce serious
		KOLASIB	disorders which may lead to decline of the
			whole orchard.
)	W. Y	4 Pruning on a regular basis removes
	(1 1	unwanted or suckers, keeps production
	()		mats in optimum condition, saves fertilizer,
			reduces pest and disease.
			4 Fruits are harvested when they attain full
	A MAMIT		size, develop attractive yellow colour.
Pineapple	Vegetative stage	AIZAWL	+ Colocassia, yam, chilies, cabbage,
	<u> </u>	S ALLANTE O	cauliflower, sweet potato, pigeon pea,
	1 N N		green gram, black gram, sesame, etc.
	λ.		intercrop with pine apple which give
			additional income to farmer.
	- (p	\sim γ γ	+ Pineapple plants should be irrigated with
			five or six irrigations during the dry months
		SERCHHI	-
			Cover crops like sweet potato, etc., can also
			be grown to conserve soil moisture.
			+ Mulching with straw and other plant
			materials is the technique for soil moisture
Dwinial	Emiting stops	LUNGLEI	Conservation.
Brinjal	Fruiting stage		 Weeding near the plant Fertilizer application in split dose of
		- 5~	recommended dose.
		A A	 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
		Mites and hoppers-	this pest.
Cucurbitaceous	Fruiting stage	/ SAIHA	Provide irrigation every 7 days interval
crop			which will give better yield.
-		0	🔸 In large gardens apply carbaryl 0.2 per
		2 1 1 5	<u> </u>
			3 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: iaaskolasib@yahoo.in



ICAR RESEARCH COMPLEX FOR NEH REGION

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



			cent or malathion 0.15 per cent suspension
			containing sugar or jaggery at 10 g/l at
			fortnightly intervals at flowering and fruit
		1	initiation against fruit fly and pumpkin
		1	beetle.
		KOLASIB	♣ Provide split doses of urea (70g/pt) at the
		KULASIB	time of full blooming.
Okra	Sowing stage	LA Y	4 Plough the field with the help of spade.
		3 1	Sow 2 seed 45 X 45 cm spacing.
	1		4 Before sowing seed provide one or two
	1	221	irrigation.
Broccoli	Card formation		♣ Provide split dose of fertilizer to the plant
	stageMAMIT		(50 g/pt).
	ι ζ	AIZAWL	4 Provide additional amount of irrigation to
	1	CAICAVIL	the plant for formation of card.
			4 Reduce moisture less with intercrop with
			different legume like pea, lentil and gram.
	1		Sow one or two mustard line after every
	1 1		25 rows of broccoli.
Mustard and	Flowering stage		• Weeding in the toria plot.
toria		SERCHHI	P o Provide irrigation in the field.
			• Top dressing with urea if available or apply
			cow dung.
Pea	Flowering Stage		\checkmark Weeding in the pea plot.
			Provide irrigation in the field.
		LUNG Aphid	• In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
Tomato	Vegetative stage	Land preparation	✓ ♦ Weeding near the plant
			\uparrow \diamond Fertilizer application in split dose of
			recommended dose.
		1 SAL	Provide irrigation to the plant.
		Damping off	Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		LAWNGTLAL	\checkmark Drenching 1% Bordeaux mixture or 2 g
		SAIHA	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
		\sim	
			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)



Ginger and turmeric Land preparation FOLASIE Spraying of Blitox @ 3 g/l of water v found effective against leaf spot. Ginger and turmeric Land preparation FOLASIE Clear the field during February-March a burn the weeds, stubbles, roots etc. in sit Prepare the land by ploughing or diggiby spade. Prepare beds of convenient length (acret the slope where the land is undulating) m width, 25 cm height with 40 cm space between the beds. Pig All stages Porcine Respiratory Syndrome (PRRS). Syndrome (PRRS). Swine fever. 2. Vaccination of pigs with SF vaccines a months and yearly interval/6 month interval/6 month interval/6 month interval/6 month interval/6 month or above in the slope. Cattle All age group Foot and Mouth Disease (FMD) P Black Quarter (BQ) Young stage Black Quarter (BQ) Black Quarter Vaccine (BQV).			blotch	water or Bavistin @ 1g/litre of water, 2-3
Ginger and turmeric Land preparation FOLASIB Clear the field during February-March a burn the weeds, stubbles, roots etc. in sit Ginger and turmeric Hand preparation FOLASIB Clear the field during February-March a burn the weeds, stubbles, roots etc. in sit MAMIT Prepare the land by ploughing or diggination burn the weeds, stubbles, roots etc. in sit Prepare the land by ploughing or diggination of the slope where the land is undulating) m width, 25 cm height with 40 cm space between the beds. Prig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Syndrome (PRRS). Serection Cattle All age group Foot and Mouth Disease (FMD) Young stage Black Quarter (BQ) Young stage Black Quarter (BQ) Poultry Adult stage Ranikhet Disease.				sprayings should be given forthnightly
Ginger and turmeric Land preparation FOLASIB Clear the field during February-March a burn the weeds, stubbles, roots etc. in si 9 Prepare the land by ploughing or diggi by spade. MAMIT Prepare beds of convenient length (acre the slope where the land is undulating) m width, 25 cm height with 40 cm space between the beds. Prig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. Young stage Foot and Mouth Disease (FMD) Young stage Black Quarter (BQ) Young stage Ranikhet Disease. Poultry Adult stage				intervals.
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turmeric Image: Second Sec			F 5	<u> </u>
Pig All stages Porcine Reproductive Reproductive Provide drainage channels, one for ever 25 beds on flat lands 1. Culling of positive pigs or piglets. Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). Swine fever. 2. Vaccination of pigs with SF vaccines a months and yearly interval/6 month interv Cattle All age group Foot and Mouth Disease (FMD) Young stage Black Quarter (BQ) • FMD vaccine at 16 week and repeat every month. Poultry Adult stage Ranikhet Disease. • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.		Land preparation	KOLASIB	4 Clear the field during February-March and
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Pig All stages Porcine Reproductive Respiratory Syndrome (PRRS). 1. Culling of positive pigs or piglets. Adult stage Swine fever. 2. Vaccination of pigs with SF vaccines a months and yearly interval/6 month interv 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). Poultry Adult stage Ranikhet Disease. • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.		1 2	AIZAWL	
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Respiratory Syndrome (PRRS). Respiratory Syndrome (PRRS). Adult stage Swine fever. 2. Vaccination of pigs with SF vaccines at months and yearly interval/6 month interv Cattle All age group Foot and Mouth Disease (FMD) • FMD vaccine at 16 week and repeat every month. Voung stage Black Quarter (BQ) • Black Quarter Vaccine (BQV). • Primary vaccination 6 month or above • Revaccination annually • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.	rig	All stages		1. Cutting of positive pigs of piglets.
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Adult stageSwine fever.2. Vaccination of pigs with SF vaccines at months and yearly interval/6 month intervCattleAll age groupFoot and Mouth Disease (FMD)• FMD vaccine at 16 week and repeat every month.Young stageBlack Quarter (BQ)• Black Quarter Vaccine (BQV). • Primary vaccination 6 month or above • Revaccination annuallyPoultryAdult stageRanikhet Disease. • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.				
Cattle All age group Foot and Mouth Disease (FMD) • FMD vaccine at 16 week and repeat every month. Voung stage Black Quarter (BQ) • Black Quarter Vaccine (BQV). Poultry Adult stage Ranikhet Disease. • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.		Adult stage		2. Vaccination of pigs with SF vaccines at 2
Cattle All age group Foot and Mouth Disease (FMD) • FMD vaccine at 16 week and repeat every month. Young stage Black Quarter (BQ) • Black Quarter Vaccine (BQV). Poultry Adult stage Ranikhet Disease. • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.				
Disease (FMD) month. Young stage Black Quarter (BQ) Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually Poultry Adult stage Ranikhet Disease. F1 vaccine at (1-6) days of birth and R vaccine for adult birds.	Cattle	All age group		
Poultry Adult stage Ranikhet Disease. Primary vaccination 6 month or above Poultry Adult stage Ranikhet Disease. F1 vaccine at (1-6) days of birth and R vaccine for adult birds.			Disease (FMD)	
Poultry Adult stage Ranikhet Disease. Primary vaccination 6 month or above Poultry Adult stage Ranikhet Disease. F1 vaccine at (1-6) days of birth and R vaccine for adult birds.		Young stage	Black Quarter (BQ)	Black Quarter Vaccine (BQV).
Poultry Adult stage Ranikhet Disease. • F1 vaccine at (1-6) days of birth and R vaccine for adult birds.				Primary vaccination 6 month or above
vaccine for adult birds.			LUNGLE	Revaccination annually
	Poultry	Adult stage		• F1 vaccine at (1-6) days of birth and R_2B
Early stage Coccidiosis 1. Amprolium or coccidiostat			<u>S.</u>	vaccine for adult birds.
		Early stage	Coccidiosis	1. Amprolium or coccidiostat
			M	>





ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	;	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta		Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	ķ,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	1:	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department;

	h		
Dr. Lalmuanzovi	:	PC KVK Lunglei	kvklunglei@gmail.com
			kvknahthial@gmail.com
Mr. C. Lalthlamuana	:	PC KVK, Kolasib	kvkkolasib@gmail.com
Mrs. Lalnunpui Parte	:	PC KVK, Serchhip	Mmami997@yahoo.com
			kvkserchhip@gmail.com
Ms. Lalrinawnri Renthlei	:	PC KVK, Champhai	pckvkkhawzawl@rediffmail.com
Mr. Lalrosanga Khiangte	:	PC KVK, Lawngtlai	vvl9@rediffmail.com
			kvklawngtalai@rediffmail.com
Ms. C. Racheal	:	PC KVK, Saiha	kvksaiha@gmail.com
			rachoza@gmail.com
Mr. Vanlalhruaia Hnamte	:	PC KVK, Mamit	kvkmamit@yahoo.in
Dr. K. P. Chaudhary		PC KVK, Aizawl	Kpchy@rediffmail.com
			kvkaizawl@rediffmail.com
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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: -493/2015/ Bulletin/English Date of issue: 17th February, 2015 18.02.2015 20.02.2015 **Parameters** 19.02.2015 21.02.2015 22.02.2015 Rainfall (mm) 0 0 10 0 0 Max Temp (oC) 25 25 $\overline{27}$ 24 26 Min Temp (oC) 11 6 7 8 10 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Clear sky **Max RH (%)** 89 97 93 93 81 Min RH (%) 32 29 30 33 32 Wind Speed (KmpH) 4 4 4 4 4 S-E ***Wind Direction** S-E S-E S-E S-E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- January 1-31, 2015 (Percent of deviation from normal in parenthesis) Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm Kolasib- 0.00 mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm Serchhip-0.00mm (0.00mm)(0.00mm)(0.00mm)(0.00mm)Weather-forecast valid from 18th February, 2015 To 22nd Weather summary of the past SERCHHIP February, 2015. three days There is a chance of moderate rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 24-27°C and 6-11°C. Maximum relative humidity is expected in the range of 81-97% and minimum may from 29-33%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days. Weekly cumulative rainfall: 10.0 mm Agricultural / Horticultural/ animal Main Crop/ Cultural practices/ Stage Animal Pest/ Diseases husbandry advisories /Fisheries Vegetative/ Provide irrigation 10-15 days internal. Khasi Application of dry leaf mulch or paddy Harvesting stage Mandarin LAWNGTLA husk to a thickness of about 8 cm. in the SAIHA basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.



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		Application of split dose of fertilizer	600:
		200:100 (g/pt).	
		Apply micro-nutrients viz. zinc, co	pper,
		manganese, iron, boron and molybde	enum
		are required in ample quantities	
		KOLASIB	
		disorders which may lead to decline of	
	}	whole orchard.	
	(Apply Bordeaux mixture to the plant	after
	(pruning.	
	(Fruits are harvested when they attain	ı full
		size, develop attractive colour	
	A MAMIT	optimum sugar and acid blend.	
Oil plam	Vegetative/	Provide irrigation 10-15 days internal	
• • • • •	Harvesting stage	AIZAWL Application of dry leaf mulch or p	oaddv
		husk to a thickness of about 8 cm. it	
		basin keeps down the weed growth	
	S	decreases the number of irrigations	
) 🏊	also improves fruit quality.	
		Application of split dose of fertilizer	600:
		SERCHHIP 200:100 (g/pt).	
		Apply micro-nutrients viz. zinc, co	pper.
		manganese, iron, boron and molybde	
		are required in ample quantities	
		supplying nutrients and also reduce se	
		disorders which may lead to decline c	
		LUNGLEI Kusorders which may lead to deeline of whole orchard.	
		Apply Bordeaux mixture to the plant	after
		pruning.	
	1	Fruits are harvested when they attain	ı full
		size, develop attractive colour	
		optimum sugar and acid blend.	
Banana	Vegetative/	Provide irrigation 10-15 days internal.	
	harvesting	Application of dry leaf mulch or p	addy
		husk to a thickness of about 8 cm. i	
		SAIHA basin keeps down the weed growth	
		decreases the number of irrigations	and
		also improves fruit quality.	
		Application of split dose of fertilizer	600:
		2 P a	ge



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Pineapple	Vegetative stage	KOLASIB	 200:100 (g/pt). Apply micro-nutrients viz. zinc, copper, manganese, iron, boron and molybdenum are required in ample quantities for supplying nutrients and also reduce serious disorders which may lead to decline of the whole orchard. Pruning on a regular basis removes unwanted or suckers, keeps production mats in optimum condition, saves fertilizer, reduces pest and disease. Fruits are harvested when they attain full size, develop attractive yellow colour. Colocassia, yam, chilies, cabbage, cauliflower, sweet potato, pigeon pea, green gram, black gram, sesame, etc. intercrop with pine apple which give additional income to farmer. Pineapple plants should be irrigated with five or six irrigations during the dry months at intervals of 20–25 days. Cover crops like sweet potato, etc., can also be grown to conserve soil moisture. Mulching with straw and other plant
			materials is the technique for soil moisture
D · · · I		LUNGLEI	conservation.
Brinjal	Fruiting stage		Weeding near the plant
		S	Fertilizer application in split dose of
		A ST	recommended dose.
		Disease:	 Provide irrigation in the plant. Seed treatment with captan, thiram or
		Disease: Damping off-	chlorothalonil will effectively control this
		Dumping on-	disease.
		Pest:	• Sulfur fungicides can be used to control
		Mites and hoppers-	this pest.
Cucurbitaceous	Fruiting stage	SAIHA	 Provide irrigation every 7 days interval
crop			which will give better yield.
- F		0	4 In large gardens apply carbaryl 0.2 per
	·	2015	
			3 P a g e



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			cent or malathion 0.15 per cent suspension
			containing sugar or jaggery at 10 g/l at
			fortnightly intervals at flowering and fruit
			initiation against fruit fly and pumpkin
	1 1	1	beetle.
			♣ Provide split doses of urea (70g/pt) at the
		KOLASIB	time of full blooming.
Okra	Sowing stage	LA Y	Plough the field with the help of spade.
		13 A L	Sow 2 seed 45 X 45 cm spacing.
			4 Before sowing seed provide one or two
	1	1 2 2 1	irrigation.
Broccoli C	Card formation		+ Provide split dose of fertilizer to the plant
	stageMAMIT		(50 g/pt).
		AIZAWL	+ Provide additional amount of irrigation to
	- N	CALAWE	the plant for formation of card.
	- Y	() () () () () () () () () ()	4 Reduce moisture less with intercrop with
	1		different legume like pea, lentil and gram.
			4 Sow one or two mustard line after every
			25 rows of broccoli.
	lowering stage		\circ Weeding in the toria plot.
toria		SERCHHI	C
			• Top dressing with urea if available or apply
			cow dung.
Pea F	lowering S <mark>tage</mark>		\checkmark Weeding in the pea plot.
			Provide irrigation in the field.
		LUNGAphid	• In case of aphid infestation apply
			Imidachloprid 1.5ml/lt of water.
Tomato V	egetative stage	Land preparation	• Weeding near the plant
		A 1 ~	\bullet Fertilizer application in split dose of
			recommended dose.
		Density of	 Provide irrigation to the plant.
		Damping off	Seed treatment with thiram 3g/kg seed or
		Y I	Trichoderma viride $4g$ + metalaxyl $4g$
			 ✓ (Apron)/ kg seed ✓ Drenching 1% Bordeaux mixture or 2 g
		SAIHA	captan or 3 copper oxychloride/ lt of water
			- at 10-15 DAS are effective.
		Leaf spot and leaf	
		Leaf spot and leaf	• Spraying Dithane M-45 @ 2.5g/litre of



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		blotch	water or Bavistin @ 1g/litre of water, 2-3 sprayings should be given forthnightly
	5	\sum	 intervals. Spraying of Blitox @ 3 g/l of water was found effective against leaf spot.
Ginger and turmeric	Land preparation	KOLASIB	 Clear the field during February-March and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging by spade. Prepare beds of convenient length (across the slope where the land is undulating), 1 m width, 25 cm height with 40 cm spacing
	AMMIT	AIZAWL	 between the beds. Provide drainage channels, one for every 25 beds on flat lands
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	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_2B vaccine for adult birds.
	Early stage	Coccidiosis	1. Amprolium or coccidiostat
		M.N	2





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Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	3	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	K	Scientist (Hort.)	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	K	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	1	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr Y. Ramakrishna	:	Farm manager (T-6)	ramakrishna_iari@rediffmail.com
Mr. Samik Chowdhury	¢,	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
Miss. Malsawmzuali	ŀ	Research Associate (Mizo	mamamralte@yahoo.com
		language Translator)	(

Collaborating Department:

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

