

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

Date of issue: 06th April, 2018

		1			
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	7	10	12	11	10
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	88	95	99	98	93
Min RH (%)	30	48	60	34	40
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	E	E	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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm

Lunglei-4.30mm

Mamit-8.10mm (17.83mm)

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

(19.52mm)

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):15-18°C

Maximum RH (%):82-98%

Minimum RH (%):52-61% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 2-3 km/hr

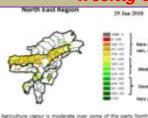
Rainfall: 18.2 mm

Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 29-30°C. Maximum relative humidity is expected in the range of 88-99% and minimum may from 30-48%. Wind direction would be easterly to southeasterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

### Weekly cumulative rainfall: 50.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041. Fax: +91 3837 220560.



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flushing	< 3	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	Į.		rainfall. So weekly irrigation is required
LIME	)	C AN	for upcoming week or use straw mulch
STAR FRUIT	(	2 1	reduces soil water loss.
SIAK FRUII	3	Come L	+ Pruning should involve removing
	1		unhealthy, unwanted and poorly
PLUM AND	2	/	positioned branches but minimise the loss of healthy foliage.
PEACH	MAMIT		The best time to prune is soon after
PEACH	5	AIZAWL )	harvest in winter to early spring before
	1	Constant:	bud break. For late varieties where two
	1	)	crops may hang on the tree at once
	1	6 8 7	some of the new crop may be lost.
	1		
	1 6		mixture to reduce the damage of white
	1)		ant upto 4 feet height.
		SERCHN	Apply Bordeaux mixture to the plant after
	1	V~ 1	pruning.
	1		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	J.	Gummosis,	Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
	1	and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Blooming	3	♣ If day temperature and prolong dry
	stage	( 5 20)	spell occur it lead to Floral
			abnormalities like "Star Flower" in
		-3	Arabica and "Pink Flower" in Robusta.
			♣ Irrigation of plants at alternate day's
		LAWNGTLAL	interval, 6 weeks before harvesting
		SAIHA	improves fruit retention and fruit development, and reduces fruit
			development, and reduces fruit cracking and improves the fruit quality.
			<ul><li>Mulching should be done with dry</li></ul>
		6 1	- Matering Should be done with thy
		1 4 6	2   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		soi The at est Fol @ SS int	Isses near the tree base to conserve I moisture during winter.  The young fruit plant must be irrigated weekly interval for better sablishment.  The application of Mepiquat chloride 1000 PPM concentration or 0.75% Page 1.5 g per 200 lt of water 15 days erval.
Rubber	Vegetative stage	recentain for red   Fair week  Mair Mair  Dig bet  the	cording to forecast and past weather cord, there is no probability of nfall. So weekly irrigation is required upcoming week or use straw mulch duces soil water loss.  Improve can go for tapping upto last ek of January.  In the line around the field to save m fire.  In a pit (size 1.5 ft X 1.0 ft X 1.0 ft) tween 4 plants. Store dried leaves in the pit and after 4 months it can use as an ure.
Oil plam	Vegetative/ Harvesting stage	Pro App to a kee the frui App 200 App 200 Fru size	pvide irrigation 10-15 days internal. plication of dry leaf mulch or paddy husk a thickness of about 8 cm. in the basin eps down the weed growth and decreases number of irrigations and also improves it quality. plication of split dose of fertilizer 600: 0:100 (g/pt). ply Bordeaux mixture to the plant after uning. hits are harvested when they attain full e, develop attractive colour with optimum gar and acid blend.
CEREALS AND I	PULSE CROPS		
Maize ( <i>Jhum</i> )	Sowing stage	sel-	move all weed plant from the ected place. ep the plant, leaves and wood for 7.

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

		KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum)	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage	LUNGLEI	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.
		1	<ul> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity influence the population of onion trips.</li> </ul>
	1/	1	<ul> <li>♣ Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage	Lan S	regularly to keep the crop free from weeds and aeration of the root system.
	\$	201	Harvest all mature fruits.
	1	5 6	Provide irrigation if water is require.
			♣ Apply any systemic insecticide to
Brinjal	Fruiting to		reduce damage of chilli thrips.  According to forecast and past weather
2111,01	flowering	AIZAWL	record, there is no probability of
	stage	Concerne:	rainfall. So weekly twice irrigation is
	1	}	required for upcoming week or use straw mulch reduces soil water loss.
	1	1 66	Harvest all mature fruits.
	3	V 3 V	♣ Apply split dose of nitrogenous
	1		fertilizer to the plant.
		SERCHN	Fruit and shoot borer attack will mare
	1	V	in dry weather. Apply any systematic insecticide for better cure.
	5		Harvest all mature fruit.
	1		Seed must be keep for next rabi
21.111		AND THE PERSON NAMED IN COLUMN TO SERVICE AND SERVICE	season.
Chilli	Vegetative to	LUNGLEI	According to forecast and past weather record, there is no probability of
	flowering stage		rainfall. So weekly twice irrigation is
	stage	m ?	required for upcoming week or use
			straw mulch reduces soil water loss.
	1	1986	Harvest all mature fruits.
	1	1 63 4	Apply split dose of nitrogenous fertilizer to the plant.
		1	Mature fruit should be harvested and
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		SAIHA	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
			initiation.

5 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			♣ Open the furrow with the help of
		1	spade, harvest all mature tubers.
	) \	-1	♣ Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	1	NULASIB	♣ Keep 7 -10 days for drying or reduce
	1	LA N	the moisture level in shed dry.
	1	707	♣ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		♣ Plough the field properly, at least 2-3
	1	7	times.
	1		♣ Mix fertilizer with FYM 50:60:60Kg
	R		/ha.
	MAINIT	3	Sow 2-3 seed per whole.
	5	A STANA	♣ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Annestone.	♣ Plough the field with the help of spade.
	1	)	Sow 2 seed 45 X 45 cm spacing.
	1	2 2	♣ Before sowing seed provide one or two
	1		irrigation.
	) 6		Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI			
Pig	All stages	SERCHN	4 Animals must keep in dry place or
	1	V~1	kept in alleviated area and dry bedding
	(		(straw) to be provided to young
		1	animals.
			1st injection at 6 months of age and
		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		500	Reduce concentrate diet up to 5%.
	- 7	11	Provide adequate potable water.
	1		In present weather conditions
		155 6	vaccinate against swine fever (Vaccines
		Descine	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	1

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group	17	4	In present weather conditions, special
Cattic	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	- F 3		wounds followed by application of
	1 1	7		antibiotics for five days is advised.
	1 3	KOLASIB		Provide UMB/Molases if possible in the
	1	1	1	
	)	Lan N		feed  Provide 10 20 ml of vitemin B Compley
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex in feed
	7			
	/	2	-	1st injection at 6-8 weeks of age, 2nd
	1	27		injection after 6 months of 1st injection
	Same			followed by annual vaccination under
	) MAMIT			vet supervision.
	- N	AIZAWL I	cil.	Separate sick animals.
	)		-	The animal should be washed with
	1	7		lukewarm water added with little
	1	3 6 7		potash (KMnO4) or neem leaves.
	- 1		-	Long hair near the
	1 6			udder/stomach/back legs should be
			-	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial
		V~		drugs to poultry.
	(		*	Proper ventilation of shed.
			-	Provide glucose/electral along with
			-4	vitamin supplements (@5- 6ml/100
	76	A STATE OF THE STA		birds) with adequate potable water
		LUNGLEI	7	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
	. /	-73	1	drugs under vet supervision and
	. 7	17	1	recommended doses.
			*	Vaccination as per the schedule with
	()	1 9 8		proper consultation with vet.
	<u> </u>		1	> Day old chick: HVT Marek disease
		-3	3	vaccine, 4-7 days:¬ F/Lasota, 14-18
			104	days: Intermediate plus/IBD
		LAWNGTLAL		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
				fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
		Co.	100	

7 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	١,	Meteorological Observer	evansmeteo@gmail.com
- W	- 00	AUVIT (	

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai		Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

9 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/Mizo

Date of issu	1e: 06 <sup>th</sup>	April,	2018	
04 0010	10.04.0	010	11.04	_

Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	7	10	12	11	10
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	88	95	99	98	93
Min RH (%)	30	48	60	34	40
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	E	E	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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm

Lunglei-4.30mm

Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

(19.52mm)

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):15-18°C

Maximum RH (%):82-98%

Minimum RH (%):52-61%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-3 km/hr

Rainfall: 18.2 mm

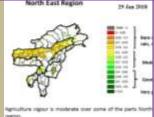
### 07<sup>th</sup> April – 11<sup>th</sup> April, 2018 chhunga sik leh sa dinhmun tur tlangpui

(17.83mm)

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 29-30°C ni tura beisei a ni. RH san lai berin 88-99% leh a hniam lai berin 30-48% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 50.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\	5	non tar man t a verig ther am.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	1	hmain an thliar hrang leh vek thin ani.
	The last	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	f., (	
	)	Wy )	♣ Sneg hmaih te lakkhawma paih vek tur
	8		ani.
	3	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	5-7	7/	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000	1	Hmun dam lutukah dah loh tur.
	3.0	Z AIZAVIL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		3	tak a hlawi tur ani.
	1	7 2	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
			robusta cherry 11.0 %.
	(	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
CEREALS AND PU	LSE CROPS		monsoon an kan chilunzawin tur am.
Rabi Maize	A chin hun	5%	✓ Vaimim chinna tur atan lei kan let
Tabi Maizo	0	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(	1 7 7	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-3	dah ang.
		1	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		The state of the s	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		Dr. C	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

South of the state	57		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying also ship no tur
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 2	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the same of the same	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			<b>Likhlum</b> lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  @ 2gm ah tui leter 1 pawlha kah
	V S	KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	1	Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGI EI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	- Samuel	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	[ MADVIII	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	16	( AIZAWIL	CH	AMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
				27

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
G.	- 00	ACMIT (	

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai		Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	5	12	6	0	3
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	92	95	97	97	93
Max RH (%) Min RH (%)	92 24	95 36	97 64	97 36	93 34
` '			97 64 2		

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm Kolasib- 7.60mm

Date of issue: 06th April, 2018

(20.78mm) Lawngtlai-4.00mm (13.99mm)

(18.29mm) (33.14mm) -8.10mm Serchhip-4.10mm

(19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past three days

Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

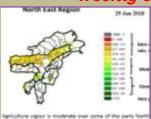
Maximum Tem. (°C):26-27°C
Minimum Tem. (°C):15-16°C
Maximum RH (%):78-96%
Minimum RH (%):51-65%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 2-3 km/hr

Rainfall: 18.1 mm

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 13-14°C. Maximum relative humidity is expected in the range of 92-97% and minimum may from 24-64%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

### Weekly cumulative rainfall: 26.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Flushing	< °	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	Ĭ	1	rainfall. So weekly irrigation is required
LIME	)	W. J	for upcoming week or use straw mulch
STAR FRUIT	(	1 1	reduces soil water loss.
STAR FRUIT	3	Company of the second	+ Pruning should involve removing
	1		unhealthy, unwanted and poorly
PLUM AND			positioned branches but minimise the
_	MAMIT		loss of healthy foliage.  4 The best time to prune is soon after
PEACH	Ç	1.77	harvest in winter to early spring before
	1	( AIZAWIL )	bud break. For late varieties where two
	1	5	crops may hang on the tree at once
	1		some of the new crop may be lost.
	1		Use Bordeaux paste or insecticide paste
	1 6		mixture to reduce the damage of white
	)		ant upto 4 feet height.
		SERCHI	Apply Bordeaux mixture to the plant after
	1	V~1	pruning.
	(		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
		Gummosis,	→ Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
	5	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
	14	and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Blooming		♣ If day temperature and prolong dry
	stage	( 19 20 )	spell occur it lead to Floral
			abnormalities like "Star Flower" in
		30	Arabica and "Pink Flower" in Robusta.
			♣ Irrigation of plants at alternate day's
		LAWNGTLAL	interval, 6 weeks before harvesting
		SAIHA	improves fruit retention and fruit
			development, and reduces fruit cracking and improves the fruit quality.
		1	<ul><li>Gracking and improves the fruit quality.</li><li>Mulching should be done with dry</li></ul>
		N N	- widening should be done with dry
		1 4 6	2   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		soil mois  The your at wee establish Foliar ap @ 1000 SSP @ 1. interval.	pplication of Mepiquat chloride PPM concentration or 0.75% 5 g per 200 lt of water 15 days
Rubber	Vegetative stage	record, rainfall. S for upcor reduces s Farmers week of J Make fire from fire. Dig a pit between	e line around the field to save
Oil plam	Vegetative/ Harvesting stage	<ul> <li>Provide in Application to a thick keeps down the number fruit qualities Application 200:100 (government)</li> <li>Apply Boroning.</li> <li>Fruits are size, deven</li> </ul>	on of split dose of fertilizer 600:
CEREALS AND I	PULSE CROPS		
Maize ( <i>Jhum</i> )	Sowing stage		±

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

		KOLASIB	<ul> <li>♣ Burn it when it will be dry.</li> <li>♣ Open a furrow with the help of chimkhawi.</li> <li>♣ Keep 4-5 seeds a hole.</li> <li>♣ Distance should be maintain 60 cm from plant to plant.</li> <li>♣ Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing.</li> </ul>
Rice	Sowing stage	3 3	Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.  Remove all weed plant from the
(Jhum)	Sowing stage	AIZAWL	<ul> <li>kelnove an weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
VECETADI E CD	OP	( ~	from plant to plant.
Ginger and turmeric	Sowing stage	LUNGLEI	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pigmanure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>♣ Provide intigation average alternate day.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>applied 30-40 days after transplanting.</li> <li>♣ Provide irrigation if water is require.</li> <li>♣ Low temperature and high humidity influence the population of onion trips.</li> <li>♣ Apply any systemic insecticide 1.5 ml/lt of water.</li> <li>♣ Intercultural operations should be done regularly to keep the crop free from</li> </ul>
	}		weeds and aeration of the root system.  Harvest all mature fruits.  Provide irrigation if water is require.  Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next rabi season.</li> </ul>
Chilli	Vegetative to flowering stage	LUNGLEI	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		Fruit fly SAIHA	♣ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
	1		+	Open the furrow with the help of
	( )	e a		spade, harvest all mature tubers.
	) \	20	+	Discard all mother tubers from
		KOLASIB		harvested potato tubers.
	J.	NULHSIB		Keep 7 -10 days for drying or reduce
	1	A. A.		the moisture level in shed dry.
				Keep 25% seed for next season sowing.
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2		times.
			-	Mix fertilizer with FYM 50:60:60Kg
	S answer			/ha.
	MAMIT	1	*	Sow 2-3 seed per whole.
01	0 1 1	CAIZAWA	CHA	Spacing should be 30 X 20 cm.
Okra	Sowing stage	7	-	Plough the field with the help of spade.
	1	1	-	Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two
	1	3 66	_	irrigation.
	100		4	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI	NDARV		-	r tovide iertilizer @ 120. 00. 00 kg/ na
Pig	All stages		4	Animals must keep in dry place or
1.6	All stages	SERCHN	IP (	kept in alleviated area and dry bedding
	l l	No.		(straw) to be provided to young
				animals.
	1		4	1st injection at 6 months of age and
				2nd injection at 12 months of age
		LUNGLEI	- 1	followed by annual vaccination under
	3		1	vet supervision against FMD.
	1	yes,	#	Reduce concentrate diet up to 5%.
		17	-	Provide adequate potable water.
		3	4	In present weather conditions
	(	Lig St.	1	vaccinate against swine fever (Vaccines
	l l	2 1 1 5 3	9	available in State Veterinary Departs)
	l l	Porcine	1	. Culling of positive pigs or piglets.
		Reproductive	- 4	1
		Respiratory		
		Syndrome (PRRS).		1

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group	17	4	In present weather conditions, special
Cattle	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	- F 3		wounds followed by application of
	1 1	7		
		KOLASIB		antibiotics for five days is advised.
	1	1		Provide UMB/Molases if possible in the
	)	LA N		feed
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex
	7			in feed
	/	7	-	1st injection at 6-8 weeks of age, 2nd
				injection after 6 months of 1st injection
	K	0		followed by annual vaccination under
	MAMIT	3		vet supervision.
	9	Z AIZAWL Z	all.	Separate sick animals.
	1	A CONTRACTOR OF THE PARTY OF TH	+	The animal should be washed with
	1	j y		lukewarm water added with little
	1			potash (KMnO4) or neem leaves.
	1		+	Long hair near the
	1 6		-	udder/stomach/back legs should be
	170 7		_	teamed short.
Poultry	All age group	SERCHH		Provide preventive dose of anti-coccidial
		V~		drugs to poultry.
	\ \		+	Proper ventilation of shed.
	)		+	Provide glucose/electral along with
			-3	vitamin supplements (@5- 6ml/100
	7.6			birds) with adequate potable water
		LUNGLEI	+	Avoid overcrowding.
	3	The section of the se	+	Provide broad-spectrum antihelminthic
	- 1	C.		drugs under vet supervision and
	. 7	17 ( ~~	7	recommended doses.
			+	Vaccination as per the schedule with
		( 19 24 )	- 3	proper consultation with vet.
			7	> Day old chick: HVT Marek disease
		-5	3	vaccine, 4-7 days: ¬F/Lasota, 14-18
			16	days: Intermediate plus/IBD
		LAWNGTLAN		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
		( SAITA		fowl pox vaccine and 56-70 days:
			Paris I	RD R-2B strain.
		V s V	4	Remove wet litter.
		6 6	(1)	

7 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
G.	- 00	ACMIT (	

### **Collaborating Department:**

Name of the KVK	Ì	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

9 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/Mizo

	1. 1.	P	1		
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	5	12	6	0	3
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	92	95	97	97	93
Min RH (%)	24	36	64	36	34
Wind Speed (KmpH)	3	4	2	2	3
*Wind Direction	E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)

(33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):26-27°C

Minimum Tem. (°C):15-16°C Maximum RH (%):78-96%

Minimum RH (%):51-65%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-3 km/hr

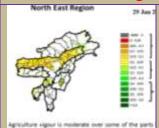
Rainfall: 18.1 mm

07<sup>th</sup> April – 11<sup>th</sup> April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 92-97% leh a hniam lai berin 24-64% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

### Weekly cumulative rainfall: 26.0mm

**NDVI for Mizoram** 



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 06th April, 2018

1 | Page

Phone: +91 3837 220041. Fax: +91 3837 220560.



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
KHASI	A levi stance	J	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL )	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	}	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		↓ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	37. had a second and 1.1 1 and 1.4
Rabi Maize	A chin hun	7 ( )	4 Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIV	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			# m
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5	KOLASIE	awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
		Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	ENDARY		
Pig	All stages	Porcine	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	3 MAINIT	Reproductive	1
	7	Respiratory	1
	1	Syndrome (PRRS).	CHAMPAI )
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a,
		1 54	chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	<ul> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAN	This informa atam chinawina tha tawn
			tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	}	4th weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	Memi	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	( AIZAWL	CH	IMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
				27

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
		Head & Sr. Scientist	Jan J	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist	-	
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	<i>(</i>	
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

	1.0	P	5		
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	0	9	8	5	0
Max Temp (°C)	32	32	31	31	32
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	Clear sky
Max RH (%)	87	96	99	90	91
Min RH (%)	27	39	56	32	38
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm

Lunglei-4.30mm

Mamit-8.10mm (17.83mm)

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

(19.52mm)

Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

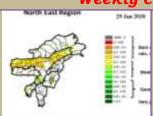
Maximum Tem. (°C):29-30°C
Minimum Tem. (°C):18-20°C
Maximum RH (%):82-97%
Minimum RH (%):52-61%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 2-3 km/hr

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 16-17°C. Maximum relative humidity is expected in the range of 87-99% and minimum may from 27-56%. Wind direction would be easterly to southeasterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Rainfall: 15.2 mm

Weekly cumulative rainfall: 23.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 06th April, 2018

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Flushing	< 3	♣ According to forecast and past weather	
MANDARIN	stage	KOLASIB	record, there is no probability of	
AND ACID	7		rainfall. So weekly irrigation is required	
LIME	)	C AN	for upcoming week or use straw mulch	
STAR FRUIT	(	2 1	reduces soil water loss.	
SIAK FRUII	3	Come L	♣ Pruning should involve removing	
	1		unhealthy, unwanted and poorly positioned branches but minimise the	
PLUM AND	2	/	loss of healthy foliage.	
PEACH	MAMIT		The best time to prune is soon after	
PEACH	5	AIZAWL )	harvest in winter to early spring before	
	1	Constant 1	bud break. For late varieties where two	
	1	)	crops may hang on the tree at once	
	1	8 /	some of the new crop may be lost.	
	1	~ 7	mixture to reduce the damage of white	
	1)		ant upto 4 feet height.	
		SERCHN	Apply Bordeaux mixture to the plant after	
	- 1	V Lang	pruning.	
	5		4 Application of split dose of fertilizer 600:	
			200:100 (g/pt).	
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux	
		citrus greening	past in tree trunk, twigs and branches	
	3	and Dieback	protect healthy plant from soil borne	
	27/41	una Diobach	disease.	
PLANTATION CR				
COFFEE	Blooming		♣ If day temperature and prolong dry	
	stage	137 6	spell occur it lead to Floral	
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	
		1	♣ Irrigation of plants at alternate day's	
		Laurence	interval, 6 weeks before harvesting	
		LAWNGTLAL	in an	
		( SAINA	development, and reduces fruit	
			cracking and improves the fruit quality.	
			♣ Mulching should be done with dry	
210000				
2   P a g e				

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		KOLASIB	grasses near the tree base to conserve soil moisture during winter.  4 The young fruit plant must be irrigated at weekly interval for better establishment.  4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy 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.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND I	PULSE CROPS		
Maize ( <i>Jhum</i> )	Sowing stage	SAIHA	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

		KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time</li> </ul>
Rice ( <i>Jhum</i> )	Sowing stage	AIZAWL	of sowing and remaining 25% after one month and 25% at flowering stage.  Remove all weed plant from the selected place.  Keep the plant, leaves and wood for dry.  Burn it when it will be dry.  Open a furrow with the help of chimkhawi.  Keep 4-5 seeds a hole.  Distance should be maintain 60 cm from plant to plant.
VEGETABLE CR Ginger and turmeric	OP Sowing stage	LUNGLEI	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>month and 25% at flowering stage.</li> <li>♣ Provide irrigation every alternate day due to non availability of rain.</li> <li>♣ Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>♣ Remaining quantity of nitrogen is</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.
	5	1	<ul> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity influence the population of onion trips.</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next rabi season.</li> </ul>
Chilli	Vegetative to flowering stage	LUNGLEI  LAVFruit fly	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension.</li> </ul>
		SAIHA	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
		5	♣ Open the furrow with the help of
		6	spade, harvest all mature tubers.
	) \	3	♣ Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	1	NULASIB	♣ Keep 7 -10 days for drying or reduce
	1	(A)	the moisture level in shed dry.
	1	7/01	★ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		♣ Plough the field properly, at least 2-3
	1	7	times.
	1		♣ Mix fertilizer with FYM 50:60:60Kg
	R		/ha.
	MAINIT	3	Sow 2-3 seed per whole.
	5	A STANK	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Valley or 1	♣ Plough the field with the help of spade.
	1	)	Sow 2 seed 45 X 45 cm spacing.
	1	6 7	♣ Before sowing seed provide one or two
	1		irrigation.
	()		Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN			
Pig	All stages	SERCHN	4 Animals must keep in dry place or
	1	V~1	kept in alleviated area and dry bedding
	(		(straw) to be provided to young
			animals.
			1st injection at 6 months of age and
		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		5	Reduce concentrate diet up to 5%.
	- 7	11	Provide adequate potable water.
	1		In present weather conditions
		135 6	vaccinate against swine fever (Vaccines
		Descine	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	1

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group	17	4	In present weather conditions, special
Cattic	All age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	- F 3		wounds followed by application of
	1 1	7		
		KOLASIB		antibiotics for five days is advised.
	- E	1		Provide UMB/Molases if possible in the
	)	LA I		feed
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex
	7		١	in feed
	1	7	*	1st injection at 6-8 weeks of age, 2nd
	1			injection after 6 months of 1st injection
	8			followed by annual vaccination under
	MAMIT	3		vet supervision.
	5	AIZAWL I	2	Separate sick animals.
		Communication 1	+	The animal should be washed with
	1	5		lukewarm water added with little
	3	500		potash (KMnO4) or neem leaves.
	1	1 1	4	Long hair near the
	) 0		-	udder/stomach/back legs should be
	100 100			teamed short.
Poultry	All age group	SERCHN		Provide preventive dose of anti-coccidial
		( Section 1		drugs to poultry.
	V		4	Proper ventilation of shed.
			4	Provide glucose/electral along with
	- 4	0 /	_1	vitamin supplements (@5- 6ml/100
	1			birds) with adequate potable water
		LUNGLEI	4	Avoid overcrowding.
	>	manaman.	4	Provide broad-spectrum antihelminthic
	3	, may	-0	drugs under vet supervision and
	1	n ?~~	-)	recommended doses.
			4	Vaccination as per the schedule with
	8	Ci Si	1	proper consultation with vet.
	į.		9	Day old chick: HVT Marek disease
	1	1 -9 4	3	vaccine, 4-7 days: F/Lasota, 14-18
		A	2	days: Intermediate plus/IBD
		Language and		vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN		weeks: Chicken embryo adopted
		# SAIHA		fowl pox vaccine and 56-70 days:
				RD R-2B strain.
		1	4	Remove wet litter.
	I .			

7 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

#### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### CAR 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
G.	- 00	ACMIT (	

#### **Collaborating Department:**

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

9 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/Mizo

Date of issue: 06th April, 2018

Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	0	9	8	5	0
Max Temp (°C)	32	32	31	31	32
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	Clear sky
Max RH (%)	87	96	99	90	91
Min RH (%)	27	39	56	32	38
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm

Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C

Minimum Tem. (°C):18-20°C Maximum RH (%):82-97%

Minimum RH (%):52-61%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-3 km/hr

Rainfall: 15.2 mm

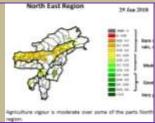
07<sup>th</sup> April – 11<sup>th</sup> April, 2018 chhunga sik leh sa dinhmun tur tlangpui

(17.83mm)

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 87-99% leh a hniam lai berin 27-56% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 23.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanury auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	u 001-8 1-41-	NULHOID	velah dahkhawm tur ani.
LIME	)	LA N	◀ Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	3		Leia tha mamawh tawk a hmuh
	- I		theihna turin a hmunhma a hnim awm
STAR FRUIT		/	te thlawhfai thin tur ani.
STAR FRUIT	MAMIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	5	AIZAVAL	leh a rah than that nan te leh a rah
PLUM AND	1	Constant 1	keh tur lakah t a veng thei ani.
PEACH	1	) )	
	1	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
	1	greening and	a trangah te hnawih tur ani.
	1)	Dieback	Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2
	)		percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	1600 (SSS) 1601	Nursery stage
		200	Thlai chi thlak hma in Azospirillum leh
		17 ( >>	Phosphobacterium a enkawl tur ani.
		91	A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin
		19 8	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		1	buhpawla khuh tur ani.
		A commence of the control of the con	♣ Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		SAIHA	33227
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		Con Contraction of the Contracti	

2 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND			Weigning things then the let less let
Rabi Maize	A chin hun	17 ( )	→ Vaimim chinna tur atan lei kan let
	)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	7		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

4 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
		Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
]	Preventive measures	0-3 rd week	.±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	} taroare	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
FISHERY	7	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
(Sa	onitoring angha ikawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		SAIHA		2)

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	1	Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$
Dr. Saurav Saha	٧	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh		Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga		Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury		Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	į,	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
_		Head & Sr. Scientist	Jan Jan	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
_	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	<i>(</i>	
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

		P	4		
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	0	14	12	7	0
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	91	98	89	99	78
Min RH (%)	40	33	61	34	33
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	N-E	N

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Date of issue: 06th April, 2018

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm) Mamit-8.10mm (33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C
Minimum Tem. (°C):16-18°C
Maximum RH (%):83-95%
Minimum RH (%):46-65%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 2-3 km/hr

Rainfall: 11.3 mm

NDVI for Mizoram

Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 13-14°C. Maximum relative humidity is expected in the range of 78-98% and minimum may from 33-61%. Wind direction would be easterly to northeasterly and northerly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 33.0 mm

North East Region 29 fan 2018

Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flushing	< 3	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	1		rainfall. So weekly irrigation is required
LIME	)	C AN	for upcoming week or use straw mulch
STAR FRUIT	(	2 1	reduces soil water loss.
SIAK FRUII	3	Come L	♣ Pruning should involve removing
	1		unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND	2	/	loss of healthy foliage.
PEACH	MAMIT		The best time to prune is soon after
PEACH	5	AIZAWL )	harvest in winter to early spring before
	1	Constant 1	bud break. For late varieties where two
	1	)	crops may hang on the tree at once
	1	8 /	some of the new crop may be lost.
	1	~ 7	mixture to reduce the damage of white
	1)		ant upto 4 feet height.
		SERCHN	Apply Bordeaux mixture to the plant after
	- 1	V Lang	pruning.
	5		4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	3	and Dieback	protect healthy plant from soil borne
	2.7	and Dieback	disease.
PLANTATION CR			
COFFEE	Blooming		♣ If day temperature and prolong dry
	stage	130	spell occur it lead to Floral
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.
		1	♣ Irrigation of plants at alternate day's
		LIMMETTAL	interval, 6 weeks before harvesting
		LAWNGTLAL	in an
		( SAINA	development, and reduces fruit
			cracking and improves the fruit quality.
			♣ Mulching should be done with dry
		6 1	2   D o o o
		4 (	2   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

	7	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy 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.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND F	PULSE CROPS		
Maize (Jhum)	Sowing stage	SAIHA	<ul><li>Remove all weed plant from the selected place.</li><li>Keep the plant, leaves and wood for dry.</li></ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	7	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain from plant to plant.</li> <li>Apply well decomposed manure @ 5-10 t/ha alo 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and incorporate with soil before</li> </ul>	n 60 cm FYM/pig ong with K <sub>2</sub> O/ha
Diag	Samin a state	3	Half nitrogen dose will use at of sowing and remaining 25% month and 25% at flowering st	after one age.
Rice (Jhum)	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant for selected place.</li> <li>Keep the plant, leaves and dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain</li> </ul>	wood for
VECETADI E CD	O.B.	120	from plant to plant.	
Ginger and turmeric	Sowing stage	LUNGLEI	Rhizome should be treated with @4 g/kg seed.  Use optimum seed rate (50-60 for desire plant population.  Apply well decomposed FY manure @ 10-20 t/ha alo 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and incorporate with soil before Half nitrogen dose will use at of sowing and remaining 25% month and 25% at flowering st	kg/ha)  YM/ pig ong with K <sub>2</sub> O/ha sowing. the time after one cage.
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alter due to non availability of rain.</li> <li>Intercultural operations sh done regularly to keep the from weeds and better growth</li> <li>Remaining quantity of nit</li> </ul>	ould be crop free of bulb.

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.  Provide irrigation if water is require.
	5		<ul> <li>Low temperature and high humidity influence the population of onion trips.</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> </ul>
Chilli	Vegetative to flowering stage	LUNGLEI	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		Fruit fly SAIHA	♣ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.

5 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			+	Open the furrow with the help of
	( )	6		spade, harvest all mature tubers.
	1 /		+	Discard all mother tubers from
	1	V comment of		harvested potato tubers.
	1	KOLASIB		Keep 7 -10 days for drying or reduce
	1	En.		the moisture level in shed dry.
	1	7 2		Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4	Plough the field properly, at least 2-3
_	7	5		times.
	-	5	4	Mix fertilizer with FYM 50:60:60Kg
	2			/ha.
	MAINIT	1		Sow 2-3 seed per whole.
	\$	) astrona	41.0	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Consumer 1	4	Plough the field with the help of spade.
	7	5	4	Sow 2 seed 45 X 45 cm spacing.
	3	5-	4	Before sowing seed provide one or two
		1 5		irrigation.
	0 6		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN	DARY			
Pig	All stages	SERCHN	p+1	Animals must keep in dry place or
				kept in alleviated area and dry bedding
	Y		- 19	(straw) to be provided to young
				animals.
		0.0	-	1st injection at 6 months of age and
			7	2nd injection at 12 months of age
		LUNGLEI		followed by annual vaccination under
	3	and the state of t	1	vet supervision against FMD.
	1	C-C-	+	Reduce concentrate diet up to 5%.
	7	n (~	+	Provide adequate potable water.
			+	In present weather conditions
			1	vaccinate against swine fever (Vaccines
	<u> </u>	2 1 3 3 3	1	available in State Veterinary Departs)
		Porcine	Α.	Culling of positive pigs or piglets.
		Reproductive	- 6	V.
		Respiratory		V.
		Syndrome (PRRS).		U .

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group		♣ In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
	1	6	Application of turpentine oil in the
	) \	-1	wounds followed by application of
	1	KOLASIB	antibiotics for five days is advised.
	1	NOLHSID -	♣ Provide UMB/Molases if possible in the
	1	60	feed
	(	3 4 /	Provide 10-30 ml of vitamin B-Complex
	7		in feed
	/	7	\$\bigs\tag{1st}\$ injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
	Samuer		followed by annual vaccination under
	J' MAINIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	vet supervision.
	1	Z AIZAWL I	<ul><li>Separate sick animals.</li><li>The animal should be washed with</li></ul>
		2	lukewarm water added with little
	)	1	potash (KMnO4) or neem leaves.
	1	1 6 6	Long hair near the
		1 3 3	udder/stomach/back legs should be
	1 (		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
Tourciy	mi age group	SERCHN	drugs to poultry.
	(		Proper ventilation of shed.
	-		♣ Provide glucose/electral along with
	1		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	7	H1000000000000000000000000000000000000	♣ Provide broad-spectrum antihelminthic
	1	yma.	drugs under vet supervision and
	. 1	m to	recommended doses.
		3	♣ Vaccination as per the schedule with
		( Vij St. )	proper consultation with vet.
			> Day old chick: HVT Marek disease
		-5	vaccine, 4-7 days: ¬F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		# SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		2 2	Remove wet litter.

7 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

#### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AUVIT (	

#### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	M <mark>r. Lalrosa</mark> mga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai		Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

9 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 04 April - 08 April, 2018

Bulletin No: - 781/2018/ Bulletin/Mizo

		,
9.04.2018	10.04.2018	11.04.201
12	7	0

Date of issue: 03rd April, 2018

Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	0	14	12	7	0
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	91	98	89	99	78
Min RH (%)	40	33	61	34	33
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	N-E	N

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm) Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C

Minimum Tem. (°C):16-18°C Maximum RH (%):83-95%

Minimum RH (%):46-65%

Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 2-3 km/hr

Rainfall: 11.3 mm

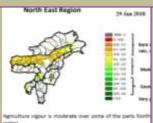
07th April - 11th April, 2018 chhunga sik leh sa dinhmun tur tlangpui

(17.83mm)

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 13-140C ni tura beisei a ni. RH san lai berin of 78-98% leh a hniam lai berin 33-61% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 33.0mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A 1 18 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	A MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	415	Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
		thin a ni.
		♣ A rah hmin tha lo ho chu nuai sawm
7	2	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
1	borer	ani.
	( . ·	
)	wy )	♣ Sneg hmaih te lakkhawma paih vek tur
S	2 1	ani.
30		4 Seng bang zawng zawng chu uluka taka
1	1	paih fai vek tur ani.
	7/	4 A thlai vennan a rah tlai ho chu paih vek
> MAMIT	1	tur ani.
7		Hmun dam lutukah dah loh tur.
7.	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
	3	tak a hlawi tur ani.
):	2	4 Chuan hei hian kah tur ani. Quinalphos 25
36	3 6 1	EC @ 340 ml/200 lit emaw lamda
		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
1		♣ In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
	1	robusta cherry 11.0 %.
1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
		Bordeaux mixture 0.5% in February -
		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
REALS AND PULSE CROPS		monsoon an kan cimunzawin tur am.
Rabi Maize A chin hun	-72	→ Vaimim chinna tur atan lei kan let
11 01111 11411	W ( ~	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
()	1 70	a pui dawn a ni.
		4 A chi chu kan lei leh saah chuan kan
	) -3 ]	dah ang.
	1	4 A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	The state of the s	4 20-25 kg/ha vel a chi thlak hi a tawk
	(	vel viau ani.
		A chi tuh hma in lei leh FYM @5-10
	1 2 1	$t/ha$ leh 80:60:40 kg N, $P_2O_5$ leh
	6	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			# m
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

4 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  2gm ah tui leter 1 pawlha kah
Onion and capsicum	Nursery stage	Poly house	tur ani.  A than a that theih nan nikhat danah tui pek thin tur ani.  Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.  Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	1	Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLALSAIHA	<ul> <li>♣ A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>♣ Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>♣ Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	{	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	<ul> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAUS	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

		♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
7		ani.  Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Prever measi		<ul> <li>♣ Ranikhet Disease- an pian atanga ni</li> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>♣ B complex with antibodies</li> </ul>
- A	4 <sup>th</sup> weeks	<b>♣ Coccidiosis-</b> Amprolium or coccidiostat
	4-5 <sup>th</sup> Weeks	♣ Calcium tonic fortified with B <sub>12</sub>
FISHERY	( ATZAVVL	CHAMPAI )
Monitor (Sangha enkawl)	LUNGLEI	thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		75

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com	
Dr. Saurav Saha	٧	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh		Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com	
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com	
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com	
Dr. Dr. V. Dayal	7	Scientist (Horticulture)	Vishambhai5009@gmail.com	
Dr. Samuel Lalliansanga		Head & Sr. Scientist	samuelpachuau10@gmail.com	
Mr. Samik Chowdhury		Technical Officer	samikchowdhury33@gmail.com	
Mr. Evans Syiem	į,	Meteorological Observer	evansmeteo@gmail.com	

#### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
		Head & Sr. Scientist	Jan J	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	( )	
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Lunglei Period: 07 April - 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

		F			
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	6	12	10	4	7
Max Temp (°C)	32	32	31	31	30
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Mainly cloudy				
Max RH (%)	91	98	89	99	78
Min RH (%)	40	48	54	33	41
Wind Speed (KmpH)	3	4	4	2	2
*Wind Direction	E	E	E	N-E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm Saiha- 0.00 mm (18.29mm) Kolasib- 7.60mm

(20.78mm)

(13.99mm)

Mamit-8.10mm

(33.14mm)Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):24-26°C Minimum Tem. (°C):15-16°C Maximum RH (%):82-98% Minimum RH (%):54-64%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-3 km/hr

Rainfall: 10.0 mm

Weather forecast valid from 07th April, 2018 To 11<sup>th</sup>April, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 16-17°C. Maximum relative humidity is expected in the range of 78-98% and minimum may from 41-54%. Wind direction would be easterly to northeasterly and easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 39.0 mm

**NDVI** for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 06th April, 2018

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560.



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Flushing	< 3	♣ According to forecast and past weather			
MANDARIN	stage	KOLASIB	record, there is no probability of			
AND ACID	7		rainfall. So weekly irrigation is required			
LIME	)	C AN	for upcoming week or use straw mulch			
STAR FRUIT	(	2 1	reduces soil water loss.			
SIAK FRUII	3	Come L	♣ Pruning should involve removing			
	1		unhealthy, unwanted and poorly positioned branches but minimise the			
PLUM AND	2	/	loss of healthy foliage.			
PEACH	MAMIT		The best time to prune is soon after			
PEACH	5	AIZAWL )	harvest in winter to early spring before			
	1	Constant 1	bud break. For late varieties where two			
	1	)	crops may hang on the tree at once			
	1	8 /	some of the new crop may be lost.			
	1	~ 7	mixture to reduce the damage of white			
	1)		ant upto 4 feet height.			
		SERCHN	Apply Bordeaux mixture to the plant after			
	- 1	V Lang	pruning.			
	5		4 Application of split dose of fertilizer 600:			
			200:100 (g/pt).			
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
	3	and Dieback	protect healthy plant from soil borne			
	2.7	and Dieback	disease.			
PLANTATION CR						
COFFEE	Blooming		♣ If day temperature and prolong dry			
	stage	130	spell occur it lead to Floral			
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			
		1	♣ Irrigation of plants at alternate day's			
		Laurence	interval, 6 weeks before harvesting			
		LAWNGTLAL	in an			
		( SAINA	development, and reduces fruit			
			cracking and improves the fruit quality.			
			♣ Mulching should be done with dry			
210000						
2   P a g e						

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

	7	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  4 The young fruit plant must be irrigated at weekly interval for better establishment.  4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy 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.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND F	PULSE CROPS		
Maize (Jhum)	Sowing stage	SAIHA	<ul><li>Remove all weed plant from the selected place.</li><li>Keep the plant, leaves and wood for dry.</li></ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	7	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain from plant to plant.</li> <li>Apply well decomposed manure @ 5-10 t/ha alor 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and incorporate with soil before</li> </ul>	FYM/pig ng with $K_2O/ha$
Diag	Samin a state	3	Half nitrogen dose will use at of sowing and remaining 25% month and 25% at flowering start.	after one age.
Rice (Jhum)	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant freselected place.</li> <li>Keep the plant, leaves and ward.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain.</li> </ul>	wood for help of
VECETADI E CD	OP.	120	from plant to plant.	
Ginger and turmeric	Sowing stage	LUNGLEI	Rhizome should be treated with @4 g/kg seed.  Use optimum seed rate (50-60) for desire plant population.  Apply well decomposed FY manure @ 10-20 t/ha alo 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and incorporate with soil before Half nitrogen dose will use at of sowing and remaining 25% month and 25% at flowering states.	kg/ha)  M/ pig ng with K <sub>2</sub> O/ha sowing. the time after one age.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternative due to non availability of rain.</li> <li>Intercultural operations shound to be regularly to keep the from weeds and better growth</li> <li>Remaining quantity of nite</li> </ul>	ould be crop free of bulb.

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.
			<ul><li>Provide irrigation if water is require.</li><li>Low temperature and high humidity</li></ul>
			influence the population of onion trips.
		1	♣ Apply any systemic insecticide 1.5
	1	KOLEGIE (	ml/lt of water.
Capsicum	Flowering to	Poly house	4 Intercultural operations should be done
	fruiting stage	LA J	regularly to keep the crop free from weeds and aeration of the root system.
		1 1	Harvest all mature fruits.
	3	Control Land	<ul><li>♣ Provide irrigation if water is require.</li></ul>
	1		♣ Apply any systemic insecticide to
	2		reduce damage of chilli thrips.
Brinjal	Fruiting to	1	♣ According to forecast and past weather
	flowering	AIZAWL I	record, there is no probability of
	stage	7	rainfall. So weekly twice irrigation is
	)	1	required for upcoming week or use straw mulch reduces soil water loss.
	36	3 64	Harvest all mature fruits.
	1		4 Apply split dose of nitrogenous
	A. S.		fertilizer to the plant.
		SERCHA	Fruit and shoot horer attack will mare
		- SCHONIN	in dry weather. Apply any systematic
			insecticide for better cure.
			Harvest all mature fruit.
	1		Seed must be keep for next rabi season.
Chilli	Vegetative to	LUNGLEI	According to forecast and past weather
	flowering	FARAFER	record, there is no probability of
	stage	274	rainfall. So weekly twice irrigation is
	Suge	17 ( ~~	required for upcoming week or use
			straw mulch reduces soil water loss.
		197	Harvest all mature fruits.
	,		Apply split dose of nitrogenous fertilizer to the plant.
		1	Mature fruit should be harvested and
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		SAIHA	or malathion 0.15 per cent suspension
		( SAITS	containing sugar or jeggery at 10 g/1 at
			fortnightly intervals at flowering and fruit initiation.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			+	Open the furrow with the help of
	( )	6		spade, harvest all mature tubers.
	1 /		+	Discard all mother tubers from
	1	V comment of		harvested potato tubers.
	1	KOLASIB		Keep 7 -10 days for drying or reduce
	1	En.		the moisture level in shed dry.
	1	7 2		Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4	Plough the field properly, at least 2-3
_	7	5		times.
	-	5	4	Mix fertilizer with FYM 50:60:60Kg
	2			/ha.
	MAINIT	1		Sow 2-3 seed per whole.
	\$	) astrona	41.0	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Consumer 1	4	Plough the field with the help of spade.
	7	5	4	Sow 2 seed 45 X 45 cm spacing.
	3	5-	4	Before sowing seed provide one or two
		1 5		irrigation.
	0 6		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN	DARY			
Pig	All stages	SERCHN	p+1	Animals must keep in dry place or
				kept in alleviated area and dry bedding
	Y		- 19	(straw) to be provided to young
				animals.
			-	1st injection at 6 months of age and
			7	2nd injection at 12 months of age
		LUNGLEI		followed by annual vaccination under
	3	and the state of t	1	vet supervision against FMD.
	1	C-C-	+	Reduce concentrate diet up to 5%.
	7	n (~	+	Provide adequate potable water.
			+	In present weather conditions
			1	vaccinate against swine fever (Vaccines
	<u> </u>	2 1 3 3 3	1	available in State Veterinary Departs)
		Porcine	Α.	Culling of positive pigs or piglets.
		Reproductive	- 6	V.
		Respiratory		V.
		Syndrome (PRRS).		U .

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group		♣ In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
	1	6	Application of turpentine oil in the
	) \	-1	wounds followed by application of
	1	KOLASIB	antibiotics for five days is advised.
	1	NOLINGIE	♣ Provide UMB/Molases if possible in the
	1	60	feed
	(	3 4 /	Provide 10-30 ml of vitamin B-Complex
	7		in feed
	/	7	\$\bigs\tag{1st}\$ injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
	Samuer		followed by annual vaccination under
	J' MAINIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	vet supervision.
	1	Z AIZAWL I	<ul><li>Separate sick animals.</li><li>The animal should be washed with</li></ul>
		2	lukewarm water added with little
	)	1	potash (KMnO4) or neem leaves.
	1	1 6 6	Long hair near the
		1 3 3	udder/stomach/back legs should be
	1 (		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
Tourciy	mi age group	SERCHN	drugs to poultry.
	(		Proper ventilation of shed.
	-		♣ Provide glucose/electral along with
	1		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	7	H1000000000000000000000000000000000000	♣ Provide broad-spectrum antihelminthic
	1	yma	drugs under vet supervision and
	. 1	m to	recommended doses.
		3	♣ Vaccination as per the schedule with
		( Vij St. )	proper consultation with vet.
			> Day old chick: HVT Marek disease
		-5	vaccine, 4-7 days: ¬F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		# SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		2 2	Remove wet litter.

7 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

#### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AUVIT (	

#### **Collaborating Department:**

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	X	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

9 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



**Parameters** Rainfall (mm)

#### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Lunglei Period: 07 April - 11 April, 2018

08.04.2018

Bulletin No: - 782/2018/ Bulletin/Mizo

07.04.2018

6

09.04.2018	10.04.2018	11.04.2018
10	4	7
31	31	30
17	17	17
N / - : 1 1 1	N/L-:11	36 1 1 1

Date of issue: 06th April, 2018

	_		1 - 0	•	•
Max Temp (°C)	32	32	31	31	30
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Mainly cloudy				
Max RH (%)	91	98	89	99	78
Min RH (%)	40	48	54	33	41
Wind Speed (KmpH)	3	4	4	2	2
*Wind Direction	E	E	E	N-E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)

(33.14mm)Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm) Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past

three days

07th April - 11th April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-26°C Minimum Tem. (°C):15-16°C Maximum RH (%):82-98% Minimum RH (%):54-64% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

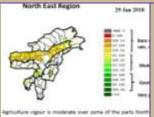
Wind speed: 2-3 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 16-170C ni tura beisei a ni. RH san lai berin 78-98% leh a hniam lai berin 41-54% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 39.0mm

**NDVI** for Mizoram

Rainfall: 10.0 mm



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560.



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanury auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	u 001-8 1-41-	NULHOID	velah dahkhawm tur ani.
LIME	)	LA N	◀ Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	3		Leia tha mamawh tawk a hmuh
	- I		theihna turin a hmunhma a hnim awm
STAR FRUIT		/	te thlawhfai thin tur ani.
STAR FRUIT	MAMIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	5	AIZAVAL	leh a rah than that nan te leh a rah
PLUM AND	1	Constant 1	keh tur lakah t a veng thei ani.
PEACH	1	) )	
	1	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
	1	greening and	a trangah te hnawih tur ani.
	1)	Dieback	Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2
	)		percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	1600 (SSS) 1601	Nursery stage
		200	Thlai chi thlak hma in Azospirillum leh
		17 ( >>	Phosphobacterium a enkawl tur ani.
		91	A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin
		19 8	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		1	buhpawla khuh tur ani.
		A commence of the control of the con	♣ Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		SAIHA	33227
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		Con Contraction of the Contracti	

2 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND			Weigning things then the let less let
Rabi Maize	A chin hun	17 ( )	→ Vaimim chinna tur atan lei kan let
	)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	7		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

4 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
		Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	( )		1-6 ah F1 vaccine pek tur ani a, chuan
	11100000100	60°y )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	8			ani.
	0	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	- /	/	-	coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	5	T-0 WCCRS	MIL	Calcium tome for timed with B <sub>12</sub>
FISHERI	1	Concerne:	341.11	
	Monitoring	)	-	Sangha te hi chaw a hmuar kai lo
	(Sangha	2 2 /		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	2 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	(IP)	hmun ro leh uap lutuk lo ah dahthat
				tur ani a, hmuar atang a tur lo inseam
	(			thin, aflatoxin avang a sangha thi lak
			4	atangin sangha a him phah thin.  Dil sah kang veka sangha man thin
			5	hian a kumleh a sangha khawinan a dil
	16	AND AND SECUL		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	189	phoro, chinai phul, leitha hman leh tul
	3		1.9	dang in dil buatsaih tur ani.
		500		Sangha te natna lak atangin an him em
			1	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
		135 6	8	enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		( -3)		tuisen @1.5mg/l diltui a hman hian
		Torresson and the		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
	1	SAIH	1	
				T-1
			1	2
		n 1	5	

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	1	Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$
Dr. Saurav Saha	٧	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh		Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga		Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury		Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	į,	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
_		Head & Sr. Scientist	Jan Jan	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
_	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	<i>(</i>	
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018			
Rainfall (mm)	3	8	13	7	4			
Max Temp (°C)	32	32	31	31	32			
Min Temp (°C)	16	17	17	17	17			
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy			
Max RH (%)	87	96	99	90	91			
Min RH (%)	27	39	56	32	38			
Wind Speed (KmpH)	2	2	2	3	3			
*Wind Direction	E	E	E	S-E	S-E			
WY 4 1								

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm

Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past

Tom (0C) 20 2000

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):16-17°C Maximum RH (%):81-96%

Minimum RH (%):52-68% Wind Direction: Southeasterly Cloud cover: mainly cloudy

Wind speed: 2-3 km/hr

Rainfall: 14.3 mm

Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 16-17°C. Maximum relative humidity is expected in the range of 87-99% and minimum may from 27-56%. Wind direction would be easterly to southeasterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 35.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Flushing	< 3	♣ According to forecast and past weather		
MANDARIN	stage	KOLASIB	record, there is no probability of		
AND ACID	Į.		rainfall. So weekly irrigation is required		
LIME	)	C AN	for upcoming week or use straw mulch		
STAR FRUIT	(	2 1	reduces soil water loss.		
SIAK FRUII	3	Come L	+ Pruning should involve removing		
	1		unhealthy, unwanted and poorly		
PLUM AND	2	/	positioned branches but minimise the loss of healthy foliage.		
PEACH	MAMIT		The best time to prune is soon after		
PEACH	5	AIZAWL )	harvest in winter to early spring before		
	1	Constant:	bud break. For late varieties where two		
	1	)	crops may hang on the tree at once		
	1	6 8 7	some of the new crop may be lost.		
	1				
	1 6		mixture to reduce the damage of white		
	1)		ant upto 4 feet height.		
		SERCHN	Apply Bordeaux mixture to the plant after		
	1	V~ 1	pruning.		
	1		♣ Application of split dose of fertilizer 600:		
			200:100 (g/pt).		
	J.	Gummosis,	Due to low temperature and humidity		
		citrus canker,	disease appearance will more. Use Bordeaux		
	7	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne		
	1	and Dieback	disease.		
PLANTATION CR	ОР				
COFFEE	Blooming	3	♣ If day temperature and prolong dry		
	stage	( 5 20)	spell occur it lead to Floral		
			abnormalities like "Star Flower" in		
		-3	Arabica and "Pink Flower" in Robusta.		
			♣ Irrigation of plants at alternate day's		
		LAWNGTLAL	interval, 6 weeks before harvesting		
		SAIHA	improves fruit retention and fruit development, and reduces fruit		
			development, and reduces fruit cracking and improves the fruit quality.		
			<ul><li>Mulching should be done with dry</li></ul>		
		6 1	- Matering Should be done with the		
2   P a g e					

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		soi The at est Fol @ SS int	Isses near the tree base to conserve I moisture during winter.  The young fruit plant must be irrigated weekly interval for better sablishment.  The application of Mepiquat chloride 1000 PPM concentration or 0.75% Page 1.5 g per 200 lt of water 15 days erval.
Rubber	Vegetative stage	recentain for red   Fair week  Mair Mair  Dig bet  the	cording to forecast and past weather cord, there is no probability of nfall. So weekly irrigation is required upcoming week or use straw mulch duces soil water loss.  Improve can go for tapping upto last ek of January.  In the line around the field to save m fire.  In a pit (size 1.5 ft X 1.0 ft X 1.0 ft) tween 4 plants. Store dried leaves in the pit and after 4 months it can use as an ure.
Oil plam	Vegetative/ Harvesting stage	Pro App to a kee the frui App 200 App 200 Fru size	pvide irrigation 10-15 days internal. plication of dry leaf mulch or paddy husk a thickness of about 8 cm. in the basin eps down the weed growth and decreases number of irrigations and also improves it quality. plication of split dose of fertilizer 600: 0:100 (g/pt). ply Bordeaux mixture to the plant after uning. hits are harvested when they attain full e, develop attractive colour with optimum gar and acid blend.
CEREALS AND I	PULSE CROPS		
Maize ( <i>Jhum</i> )	Sowing stage	sel-	move all weed plant from the ected place. ep the plant, leaves and wood for 7.

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

		KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum)	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage	LUNGLEI	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.
		1	<ul> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity influence the population of onion trips.</li> </ul>
	1/	1	<ul> <li>♣ Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage	Lange 1	regularly to keep the crop free from weeds and aeration of the root system.
	\$	201	Harvest all mature fruits.
	1	5 6	Provide irrigation if water is require.
			♣ Apply any systemic insecticide to
Brinjal	Fruiting to		reduce damage of chilli thrips.  According to forecast and past weather
2111,01	flowering	AIZAVAL	record, there is no probability of
	stage	Concerne:	rainfall. So weekly twice irrigation is
	1	}	required for upcoming week or use straw mulch reduces soil water loss.
	1	1 66	Harvest all mature fruits.
	3	V 3 V	♣ Apply split dose of nitrogenous
	1		fertilizer to the plant.
		SERCHN	Fruit and shoot borer attack will mare
	1	V	in dry weather. Apply any systematic insecticide for better cure.
	5		Harvest all mature fruit.
	1		Seed must be keep for next rabi
21.111		AND THE PERSON NAMED IN COLUMN TO SERVICE AND SERVICE	season.
Chilli	Vegetative to	LUNGLEI	According to forecast and past weather record, there is no probability of
	flowering stage		rainfall. So weekly twice irrigation is
	stage	m ?	required for upcoming week or use
			straw mulch reduces soil water loss.
	1	1986	Harvest all mature fruits.
	1	1 63 4	Apply split dose of nitrogenous fertilizer to the plant.
		1	Mature fruit should be harvested and
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		SAIHA	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
			initiation.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			♣ Open the furrow with the help of
		1	spade, harvest all mature tubers.
	) \	-1	♣ Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	1	NULASIB	♣ Keep 7 -10 days for drying or reduce
	1	LA N	the moisture level in shed dry.
	1	707	♣ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		♣ Plough the field properly, at least 2-3
	1	7	times.
	1		♣ Mix fertilizer with FYM 50:60:60Kg
	R		/ha.
	MAINIT	3	Sow 2-3 seed per whole.
	5	A STANA	♣ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Annestone.	♣ Plough the field with the help of spade.
	1	)	Sow 2 seed 45 X 45 cm spacing.
	1	2 2	♣ Before sowing seed provide one or two
	1		irrigation.
	) 6		Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEI			
Pig	All stages	SERCHN	4 Animals must keep in dry place or
	1	V~1	kept in alleviated area and dry bedding
	(		(straw) to be provided to young
		1	animals.
			1st injection at 6 months of age and
		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		500	Reduce concentrate diet up to 5%.
	- 7	11	Provide adequate potable water.
	1		In present weather conditions
		155	vaccinate against swine fever (Vaccines
		Descine	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	1

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group	17	4	In present weather conditions, special
Cattic	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	F 3		wounds followed by application of
	1 1	7		antibiotics for five days is advised.
	1 3	KOLASIB	-	Provide UMB/Molases if possible in the
	1	1	1	
	)	Lan N		feed  Provide 10 20 ml of vitemin B Compley
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex in feed
	7			
	/	2	-	1st injection at 6-8 weeks of age, 2nd
	1	27		injection after 6 months of 1st injection
	Same			followed by annual vaccination under
	) MAMIT			vet supervision.
	- N	AIZAWL I	cil.	Separate sick animals.
	)		-	The animal should be washed with
	1	7		lukewarm water added with little
	1	3 6 7		potash (KMnO4) or neem leaves.
	- 1		-	Long hair near the
	1 6			udder/stomach/back legs should be
			-	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial
		V~		drugs to poultry.
	(		*	Proper ventilation of shed.
			-	Provide glucose/electral along with
			-4	vitamin supplements (@5- 6ml/100
	76	A STATE OF THE STA		birds) with adequate potable water
		LUNGLEI	7	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
	. /	-73	1	drugs under vet supervision and
	. 7	17	1	recommended doses.
			*	Vaccination as per the schedule with
	()	1 9 8		proper consultation with vet.
	<u> </u>		1	Day old chick: HVT Marek disease
		-3	3	vaccine, 4-7 days:¬ F/Lasota, 14-18
			104	days: Intermediate plus/IBD
		LAWNGTLAL		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
				fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
		Co.	100	

7 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

#### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	١:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AMIT (	

#### **Collaborating Department:**

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	M <mark>r. Lalrosa</mark> mga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

9 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Mamit Period: 07 April - 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/Mizo

		P. Contract of the Contract of			
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	3	8	13	7	4
Max Temp (°C)	32	32	31	31	32
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	87	96	99	90	91
Min RH (%)	27	39	56	32	38
Wind Speed (KmpH)	2	2	2	3	3

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 3.60mm Aizawl- 5.40mm

Saiha- 0.00 mm Kolasib- 7.60mm

Date of issue: 06th April, 2018

(20.78mm)Lawngtlai-4.00mm

\*Wind Direction

(13.99mm)Lunglei-4.30mm

(18.29mm)Mamit-8.10mm

(33.14mm)Serchhip-4.10mm

S-E

(19.52mm)

(23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):16-17°C Maximum RH (%):81-96% Minimum RH (%):52-68%

Wind Direction: Southeasterly Cloud cover: mainly cloudy

Wind speed: 2-3 km/hr

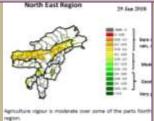
07th April - 11th April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 87-99% leh a hniam lai berin 27-56% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 35.0mm

**NDVI** for Mizoram

Rainfall: 14.3 mm



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560.



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	}	5	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	1	5	Kell tul lakali t a velig tilel alli.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAL	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	1	hmain an thliar hrang leh vek thin ani.
	The last	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	f., (	
	)	Wy )	♣ Sneg hmaih te lakkhawma paih vek tur
	8		ani.
	3	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	5-7	7/	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000	1	Hmun dam lutukah dah loh tur.
	300	Z AIZAVVIL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		3	tak a hlawi tur ani.
	1	7 2	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
			robusta cherry 11.0 %.
	(	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
CEREALS AND PU	LSE CROPS		monsoon an kan chilunzawin tur am.
Rabi Maize	A chin hun	5%	✓ Vaimim chinna tur atan lei kan let
Tabi Maizo	011111 11411	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(	1 7 7	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-3	dah ang.
		1	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		The state of the s	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		Dr. C	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

South of the state	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier of the		Muongohang laying also ship no tur
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 20 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the second	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			<b>Likhlum</b> lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  @ 2gm ah tui leter 1 pawlha kah
	V S	KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	1	Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGI EI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	- Samuel	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	[ MADVIII	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	16	( AIZAWIL	CHI	AMPAI }
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
				27

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	٧:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



**Parameters** 

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

\*Wind Direction

Wind Speed (KmpH)

#### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 07 April – 11 April, 2018

08.04.2018

9

30

17

Mainly cloudy

93

27

4

 $\mathbf{E}$ 

Bulletin No: - 782/2018/ Bulletin/English

07.04.2018

0

32

16

Partially clear

94

27

4

 $\mathbf{E}$ 

09.04.2018	10.04.2018	11.04.2018
4	0	0
31	31	32
17	17	17
Mainly cloudy	Partially clear	Mainly cloudy
97	87	96

30

4

Date of issue: 06th April, 2018

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm Saiha- 0.00 mm Ko

Kolasib- 7.60mm

(20.78mm) (13.99mm)

(18.29mm)

4

 $\mathbf{E}$ 

(33.14mm)

29

4

 $\mathbf{E}$ 

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm (17.83mm)

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):24-25°C Minimum Tem. (°C):14-16°C Maximum RH (%):82-95% Minimum RH (%):52-66% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-3 km/hr

Rainfall: 08.2 mm

Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 16-17°C. Maximum relative humidity is expected in the range of 87-97% and minimum may from 27-32%. Wind direction would be easterly with the wind speed of 4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 13.0 mm

NDVI for Mizoram

North East Region 39 Aug 30

10 Aug 3

Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Flushing	< 3	♣ According to forecast and past weather			
MANDARIN	stage	KOLASIB	record, there is no probability of			
AND ACID	7		rainfall. So weekly irrigation is required			
LIME	)	C AN	for upcoming week or use straw mulch			
STAR FRUIT	(	2 1	reduces soil water loss.			
SIAK FRUII	3	Come L	♣ Pruning should involve removing			
	1		unhealthy, unwanted and poorly positioned branches but minimise the			
PLUM AND	2	/	loss of healthy foliage.			
PEACH	/ MAMIT		The best time to prune is soon after			
PEACH	5	AIZAWL )	harvest in winter to early spring before			
	1	Constant 1	bud break. For late varieties where two			
	1	)	crops may hang on the tree at once			
	1	8 /	some of the new crop may be lost.			
		~ 7	mixture to reduce the damage of white			
	1)		ant upto 4 feet height.			
		SERCHN	Apply Bordeaux mixture to the plant after			
	- 1	V Lang	pruning.			
	5		Application of split dose of fertilizer 600:			
			200:100 (g/pt).			
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
	3	and Dieback	protect healthy plant from soil borne			
	20/41	una Diobach	disease.			
PLANTATION CR						
COFFEE	Blooming		♣ If day temperature and prolong dry			
	stage	137 6	spell occur it lead to Floral			
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			
		1	♣ Irrigation of plants at alternate day's			
		Laurence	interval, 6 weeks before harvesting			
		LAWNGTLAL	in an			
		( SAINA	development, and reduces fruit			
			cracking and improves the fruit quality.			
			♣ Mulching should be done with dry			
		6 1	2   D o o o			
2   P a g e						

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		grasses near the tre soil moisture during The young fruit plan at weekly inter establishment. Foliar application of @ 1000 PPM conce SSP @ 1.5 g per 200 interval.	winter. t must be irrigated val for better Mepiquat chloride ntration or 0.75% It of water 15 days
Rubber	Vegetative stage	<ul> <li>♣ According to forecas record, there is rainfall. So weekly in for upcoming week or reduces soil water low Farmers can go for week of January.</li> <li>♣ Make fire line around from fire.</li> <li>♣ Dig a pit (size 1.5 find between 4 plants. So the pit and after 4 min manure.</li> </ul>	no probability of rigation is required or use straw mulch ss. tapping upto last ad the field to save  X 1.0 ft X 1.0 ft) tore dried leaves in
Oil plam	Vegetative/ Harvesting stage	<ul> <li>Provide irrigation 10-13</li> <li>Application of dry leaf to a thickness of about keeps down the weed at the number of irrigation fruit quality.</li> <li>Application of split do 200:100 (g/pt).</li> <li>Apply Bordeaux mixture pruning.</li> <li>Fruits are harvested we size, develop attractive sugar and acid blend.</li> </ul>	mulch or paddy husk at 8 cm. in the basin growth and decreases and also improves ose of fertilizer 600: are to the plant after when they attain full
CEREALS AND I	PULSE CROPS		
Maize ( <i>Jhum</i> )	Sowing stage	Remove all weed selected place.  Keep the plant, leadry.	plant from the ves and wood for

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

		KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum)	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage	LUNGLEI	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.
			Provide irrigation if water is require.
	100000		↓ Low temperature and high humidity
		6 3	influence the population of onion trips.
	) \	20	♣ Apply any systemic insecticide 1.5
	The second	V 200 - 1	ml/lt of water.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage	A. A.	regularly to keep the crop free from
	(	3 4 /	weeds and aeration of the root system.
	7		Harvest all mature fruits.
	/	2	♣ Provide irrigation if water is require.
			♣ Apply any systemic insecticide to
	3		reduce damage of chilli thrips.
Brinjal	Fruiting to	1	According to forecast and past weather
	flowering	Z AIZAWIL Y	record, there is no probability of
	stage	7	rainfall. So weekly twice irrigation is
	1	1	required for upcoming week or use
	1	3 6. (	straw mulch reduces soil water loss.  Harvest all mature fruits.
	1		- 0
			♣ Apply split dose of nitrogenous fertilizer to the plant.
	1)		Fruit and shoot borer attack will mare
		SERCHH	in dry weather. Apply any systematic
	(	V Long	insecticide for better cure.
	-		Harvest all mature fruit.
	- 1		4 Seed must be keep for next rabi
	1		season.
Chilli	Vegetative to	LUNGLEI	♣ According to forecast and past weather
	flowering	THE PART OF THE PA	record, there is no probability of
	stage	Co.	rainfall. So weekly twice irrigation is
		11 ( 2	required for upcoming week or use
			straw mulch reduces soil water loss.
	(	( 19 20 )	Harvest all mature fruits.
			4 Apply split dose of nitrogenous
		30	fertilizer to the plant.
		TD14 Cf	Mature fruit should be harvested and
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		# SAIHA	containing sugar or jeggery at 10 g/1 at
			fortnightly intervals at flowering and fruit
			initiation.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			♣ Open the furrow with the help of
	1 1	1	spade, harvest all mature tubers.
	1 1	5	Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	· l	110121012	♣ Keep 7 -10 days for drying or reduce
	)	Line 1	the moisture level in shed dry.
	0	1 1	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		Plough the field properly, at least 2-3 times.
	1	3	
	J		Mix fertilizer with FYM 50:60:60Kg /ha.
	\$ MAMIT		Sow 2-3 seed per whole.
	7 1000000	1	Spacing should be 30 X 20 cm.
Okra	Sowing stage	C ANZAWAL	<ul><li>Plough the field with the help of spade.</li></ul>
Okra	Sowing stage	1	Sow 2 seed 45 X 45 cm spacing.
	1	- 3	Before sowing seed provide one or two
	4	1 66	irrigation.
	1.7	1 3	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN	NDARY		Trovide lerunzer (g. 120. 00. 00 lig/ila
Pig	All stages	SERCHN	4 Animals must keep in dry place or
		(~)	kept in alleviated area and dry bedding
	V.		(straw) to be provided to young
			animals.
			4 1st injection at 6 months of age and
	77		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
	/	5%	Reduce concentrate diet up to 5%.
		11	Provide adequate potable water.
			In present weather conditions
	(	1 7 6	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory Syndrome (PRRS).	
		Syndrome (FRRS).	

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cattle	All age group	17	4	In present weather conditions, special
Cattic	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	F 3		wounds followed by application of
	1 1	7		antibiotics for five days is advised.
	1 3	KOLASIB	-	Provide UMB/Molases if possible in the
	1	1	1	
	)	Lan N		feed  Provide 10 20 ml of vitemin B Compley
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex in feed
	7			
	/	2	-	1st injection at 6-8 weeks of age, 2nd
	1	27		injection after 6 months of 1st injection
	Same			followed by annual vaccination under
	) MAMIT			vet supervision.
	- N	AIZAWL I	cil.	Separate sick animals.
	)		-	The animal should be washed with
	1	7		lukewarm water added with little
	1	3 6 7		potash (KMnO4) or neem leaves.
			-	Long hair near the
	1 6			udder/stomach/back legs should be
			-	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial
		V~1		drugs to poultry.
	(		*	Proper ventilation of shed.
		1	*	Provide glucose/electral along with
			-4	vitamin supplements (@5- 6ml/100
	76	A STATE OF THE STA		birds) with adequate potable water
		LUNGLEI	7	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
	. /	-73	1	drugs under vet supervision and
	. 7	17	1	recommended doses.
	)		1	Vaccination as per the schedule with
	()	1 9 8		proper consultation with vet.
	<u> </u>		1	Day old chick: HVT Marek disease
		-3	3	vaccine, 4-7 days: ¬F/Lasota, 14-18
			104	days: Intermediate plus/IBD
		LAWNGTLAU		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
				fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
		CA CA	V	

7 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AUVIT (	

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei		<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	M <mark>r. Lalrosa</mark> mga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	<b>Dr. Samuel Lalliansanga</b> Head & <mark>Sr. Scientist</mark>	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark> Head & <mark>Sr. Scientist</mark>	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

9 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 07 April - 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/Mizo

Date of issue: 06th April, 2018

Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	0	9	4	0	0
Max Temp (°C)	32	30	31	31	32
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	94	93	97	87	96
Min RH (%)	27	27	32	30	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm

Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past three days

07th April - 11th April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-25°C Minimum Tem. (°C):14-16°C Maximum RH (%):82-95% Minimum RH (%):52-66% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

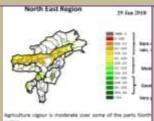
Wind speed: 2-3 km/hr

Rainfall: 08.2 mm

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin of 87-97% leh a hniam lai berin 27-32% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 13.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560.



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		E	# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	}	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	(MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	)	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	la la	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	U. C	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACT OF THE CONTRACT O	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		600	Weigning things then the let less let
Rabi Maize	A chin hun	17	→ Vaimim chinna tur atan lei kan let
	)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	V	2 1 3 3	a pui dawn a ni.
		3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		N N	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIV	3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	2	W )	♣ Lei rih vur hian thlai kung te a veng ve
and black	3		ani. ♣ Thlasik lai a lei khoro lutuk tur ven
gram cultivation in	f		nan a chungah hnim leh thildanga
rice fellow	3 MANUTE		khuh tur ani.
Potato	Sowing stage	100000	Muangchang loving alu chin na tur
	5	( AIZAWL )	chu buatsaih vat tur ani.
	1	1	Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.
	1	3 6 6	Lei leh hmain a hmun hma chu fai
	1	1 3 1	taka thlawh hmasak tur ani.
	15		A chi thlak hma in a chi chu en fiah hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
	1	V	tui pek thin tur ani.
VEGETABLE CR			
Tomato	Bacterial		Tomato bikah chuan sik leh sa hi
	Blight disease	MINISTER	natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk
		LUNGLEI	hmunah chuan natna an kai hma bik
	1		ani.
	5	n ?~~	Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb
		9\	(a) 2 gm hi tui liter 1 ah pawlh a kah
		1701	tur ani .
Early Cole	Black spot	1 63 4	4 A than a that theih nan nikhat danah
crop	disease		tui pek thin tur ani.  Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
		Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

	J	+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Prev	ventive 0-3 r	d week	Ranikhet Disease- an pian atanga ni
	asures	WOOM	1-6 ah F1 vaccine pek tur ani a, chuan
11100	254105	22	a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	1		ani.
	1	4	B complex with antibodies
	4th	weeks +	Coccidiosis- Amprolium or
i	2		coccidiostat
	4-5 <sup>th</sup>	Weeks +	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1 AIZ	AWA CH	AMPAI:
	oring	4	Sangha te hi chaw a hmuar kai lo
Monit		1	chauh pek thin tur ani. Sangha chaw a
(Sangl		a l	lo hmuar anih chuan pek hma in ni sa
enkaw	71)		a phoro phawt tur ani.
		- Y	Sangha chaw hi a hmuar lohna turin
	1)		hmun ro leh uap lutuk lo ah dahthat
		SERCHNIP	tur ani a, hmuar atang a tur lo inseam
	l V	1	thin, aflatoxin avang a sangha thi lak
	<b>S</b>		atangin sangha a him phah thin.
	4	4	Dil sah kang veka sangha man thin
	1	-	hian a kumleh a sangha khawinan a dil
	LUNGLE	1	buatsaih a ti awlsam a, dil mawng
	2 2000	7	phoro, chinai phul, leitha hman leh tul
	- 7	-	dang in dil buatsaih tur ani.
	7 17	1	Sangha te natna lak atangin an him em
		1	tih enfiah fo a tha a, natna hmuh anih
	( log	25	chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
	6	13	A ranglam a chinai @50kg/ha leh
	1	D. ()	tuisen @1.5mg/l diltui a hman hian
		1	sangha natna avang a thi tur lak
	LAWNG	TLAL	atangin a veng thei.
		SAIHA	www.gar a rong tiron
	1	1	-J
		(1)	2
	N D	1	

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

Name of the KVK	Ì	Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/English

	1. A.	P	£		
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	3	10	11	0	3
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	91	98	89	99	78
Min RH (%)	40	33	61	34	33
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	S-E	E	N-E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm

Mamit-8.10mm (17.83mm)

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):25-26°C Minimum Tem. (°C):16-18°C Maximum RH (%):86-97% Minimum RH (%):52-66% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Rainfall: 13.4 mm

Wind speed: 2-3 km/hr

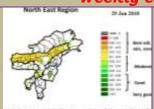
Weather forecast valid from 07<sup>th</sup>April, 2018 To 11<sup>th</sup>April, 2018.

Date of issue: 06th April, 2018

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 13-14°C. Maximum relative humidity is expected in the range of 78-99% and minimum may from 33-61%. Wind direction would be easterly to southeasterly to easterly to northeasterly and easterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 27.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT		\$ 1	<ul> <li>Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the</li> </ul>
PLUM AND PEACH	MAMIT	AIZAWL	<ul> <li>loss of healthy foliage.</li> <li>The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> </ul>
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR		EAVA N	T 70 1 1 1 1
COFFEE	Blooming stage	LAWNGTLAUSAIHA	<ul> <li>♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.</li> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry</li> </ul>
		112	2   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		KOLASIB	grasses near the tree base to conserve soil moisture during winter.  4 The young fruit plant must be irrigated at weekly interval for better establishment.  4 Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	LUNGLEI	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy 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.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND I	PULSE CROPS		
Maize ( <i>Jhum</i> )	Sowing stage	SAIHA	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

		KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum)	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage	LUNGLEI	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			applied 30-40 days after transplanting.
			<ul><li>♣ Provide irrigation if water is require.</li><li>♣ Low temperature and high humidity</li></ul>
	1	1	influence the population of onion trips.  4 Apply any systemic insecticide 1.5
	1	7	ml/lt of water.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage	an I	regularly to keep the crop free from weeds and aeration of the root system.
	\$	201	Harvest all mature fruits.
	1	Santa	Provide irrigation if water is require.
		5	♣ Apply any systemic insecticide to
	- 12 100000		reduce damage of chilli thrips.
Brinjal	Fruiting to		According to forecast and past weather record, there is no probability of
	flowering stage	( AIZAWIL )	rainfall. So weekly twice irrigation is
	Stage	5	required for upcoming week or use
	1	1 0.7	straw mulch reduces soil water loss.
	1		<ul><li>Harvest all mature fruits.</li><li>Apply split dose of nitrogenous</li></ul>
	1		fertilizer to the plant.
		SERCHN	Fruit and shoot borer attack will mare
			in dry weather. Apply any systematic
			insecticide for better cure.  Harvest all mature fruit.
	1		Seed must be keep for next rabi
	16		season.
Chilli	Vegetative to	LUNGLEI	+ According to forecast and past weather
	flowering		record, there is no probability of rainfall. So weekly twice irrigation is
	stage	n 8~	required for upcoming week or use
	)		straw mulch reduces soil water loss.
		9 2	Harvest all mature fruits.
	1	( [] ]	Apply split dose of nitrogenous fertilizer to the plant.
		1	Mature fruit should be harvested and
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		# SAIHA	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
			initiation.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Potato	Harvesting		♣ If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	1		♣ Open the furrow with the help of
	1 1	1	spade, harvest all mature tubers.
	1 1	5	Discard all mother tubers from
		KOLASIB	harvested potato tubers.
	- 1	1	♣ Keep 7 -10 days for drying or reduce
	)	Line 1	the moisture level in shed dry.
	0	1 1	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		♣ Plough the field properly, at least 2-3 times.
	1	3	
	. J		Mix fertilizer with FYM 50:60:60Kg
	\$ MAMIT		/ha. <b>♣</b> Sow 2-3 seed per whole.
	1 meanite		Spacing should be 30 X 20 cm.
Okra	Sowing stage	C ANZAWAL	<ul><li>Plough the field with the help of spade.</li></ul>
OKra	Sowing stage	1	Sow 2 seed 45 X 45 cm spacing.
	1	3	Before sowing seed provide one or two
	1	1 64	irrigation.
	1	1	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	NDARY	- W	+ 110vide ierunzer (g. 120. 00. 00 itg/iia
Pig	All stages	SERCHN	Animals must keep in dry place or
		(~)	kept in alleviated area and dry bedding
	Y.		(straw) to be provided to young
			animals.
			♣ 1 <sup>st</sup> injection at 6 months of age and
	200		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
	. /	500	Reduce concentrate diet up to 5%.
	. 7	17	Provide adequate potable water.
			In present weather conditions
	1	1 7 6	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory	
		Syndrome (PRRS).	
		Syndrome (FRRS).	1

6 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

Cattle	All age group		♣ In present weather conditions, special
Cattle	1111 ago 910ab		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	3.1	1	wounds followed by application of
		( )	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	(		feed
	)	GA.	♣ Provide 10-30 ml of vitamin B-Complex
		1 1	in feed
	1		
	1	3	1st injection at 6-8 weeks of age, 2nd
		20	injection after 6 months of 1st injection
	S CARLOTTE		followed by annual vaccination under
	/ MAMIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	vet supervision.
	1	Z AIZAWL I	Separate sick animals.
	1	3	The animal should be washed with
	1	7	lukewarm water added with little
	1	3 6 /	potash (KMnO4) or neem leaves.
	- 1		Long hair near the
	1 6		udder/stomach/back legs should be
			teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
		V~~	drugs to poultry.
	(		+ Proper ventilation of shed.
	)		+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	7.6		birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		Provide broad-spectrum antihelminthic
	- 1		drugs under vet supervision and
	. 7	7	recommended doses.
			♣ Vaccination as per the schedule with
		( 19 20 )	proper consultation with vet.
			> Day old chick: HVT Marek disease
	1	-5	vaccine, 4-7 days:¬ F/Lasota, 14-18
		V 25	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		( SAITA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		A solution	♣ Remove wet litter.
		60 00 1	

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



8 | Page

### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧.	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi		Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com
	- 00	AUVIT (	

### **Collaborating Department:**

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	<b>Mr. K. Laltlanmawia</b> Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

9 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 07 April – 11 April, 2018

Bulletin No: - 782/2018/ Bulletin/Mizo

		P	4		
Parameters	07.04.2018	08.04.2018	09.04.2018	10.04.2018	11.04.2018
Rainfall (mm)	3	10	11	0	3
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	91	98	89	99	78
Min RH (%)	40	33	61	34	33
Wind Speed (KmpH)	2	2	2	2	2

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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm (33.14mm)

(20.78mm) Lawngtlai-4.00mm

\*Wind Direction

(13.99mm) Lunglei-4.30mm (18.29mm) Mamit-8.10mm

Serchhip-4.10mm

(19.52mm)

(23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):25-26°C Minimum Tem. (°C):16-18°C Maximum RH (%):86-97% Minimum RH (%):52-66% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 2-3 km/hr

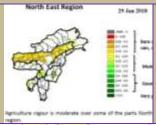
Rainfall: 13.4 mm

07<sup>th</sup> April – 11<sup>th</sup> April, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 78-99% leh a hniam lai berin 33-61% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 27.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

Date of issue: 06th April, 2018

1 | P a g e

Phone: +91 3837 220041. Fax: +91 3837 220560.



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	]	376	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
	)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	- Y	The state of the s	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda
	)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.  In leh loa sawngbawln a a ro dan tur
	100		tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLEGE ITEMS	dang te paihpaih vek tur ani.
	- 1		♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMMON CO.	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun	W 85%	✓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		3 7 6 1	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		( -9 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 5	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
	I	1/1/	
			3   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb  @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>♣ A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>♣ Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>♣ Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
		Phytopthora blight	<ul> <li>♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	<ul> <li>♣ A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>♣ Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>♣ Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	{	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	<ul> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	(		1-6 ah F1 vaccine pek tur ani a, chuan
		W )		a puitlingh chuan R2B vaccine pek tur
	>			ani.
	)	5	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. MAINIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 5		lo hmuar anih chuan pek hma in ni sa
	OIIII WII	1 3 7		a phoro phawt tur ani.
	100		4	Sangha chaw hi a hmuar lohna turin
		SERCH	at en a	hmun ro leh uap lutuk lo ah dahthat
		SERUM	11	tur ani a, hmuar atang a tur lo inseam
	V			thin, aflatoxin avang a sangha thi lak
		154		atangin sangha a him phah thin.
		93	-	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	00	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
	1	5	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em
		11	7	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
		7 661	8	enfiah vat tur ani.
		1 1	4	A ranglam a chinai @50kg/ha leh
		1	8	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	4	
				T-1
		1	1	9
		60	1	

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	٧:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem : Meteorological Observer		evansmeteo@gmail.com	

#### **Collaborating Department:**

Name of the KVK	Programme Coordinator Name and Designation		KVK Email Id	Phone no/ Mobile no
KVK Lunglei	: 1	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	71	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
		Head & Sr. Scientist	Jan J	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
	11	Head & Sr. Scientist		
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Samuel Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	(	
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,