

#### 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: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/English Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	5	3	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Partially clear	Partially clear	Partially clear	Clear sky	Clear sky
Max RH (%)	100	100	99	89	98
Min RH (%)	64	56	40	35	33
Wind Speed (KmpH)	3	3	3	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm (430.2mm) (301.30mm)

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm

(430.2mm) Lawngtlai-291.20mm

Lunglei-370.28mm

Mamit-197.57mm

(372.0mm) Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Weather forecast valid from 04<sup>th</sup> November, 2017 To 08<sup>th</sup> November, 2017.

Maximum Tem. (°C):20-22°C
Minimum Tem. (°C):13-15°C
Maximum RH (%):83-93%
Minimum RH (%):72-86%
Wind Direction: Southeasterly
Cloud cover: Mainly clear
Wind speed: 2 km/hr

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 27°C and 10-11°C. Maximum relative humidity is expected in the range of 89-100% and minimum may from 33-64%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Partially clear will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 18.0 mm

**NDVI** for Mizoram

Moderately wet mildly dry/mildly wet conditions

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 MANDARIN AND ACID	Flowering to fruiting stage	KOLASIB }	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So</li> </ul>
LIME	ζ	m )	drainage channel shall be block the channel for maintain field moisture.
DANANA	1	20	<ul><li>Medium to young seedling should be support by bamboo stake.</li><li>Use split dose of fertilizer for normal</li></ul>
STAR FRUIT	MAMIT		growth and development.  4 To increase the fruit set, spray 2, 4 – D
PLUM AND PEACH	Ì	AIZAWL	<ul> <li>@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 - D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).</li> </ul>
	35	SERCHH	Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply
	}	Citrus cancar	Hexaconazole @ 1 ml/10 lt of water.  Copper- based fungicides Copper Oxy Chloride 50%WP @ 2g/lt or bactericides
		LUNGLEI	Blitox 50 WG @ 0.01g/lt can provide a barrier against infection, but they will not treat an existing infection.
	3	. E~	Control minor infections limited to a small area of the tree by pruning away the
			<ul><li>affected parts.</li><li>Severely infected trees should be destroyed to prevent infecting healthy trees nearby.</li></ul>
		Citrus leafminor and butterfly	♣ Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching stage when 1st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting stage		Slightly purple coloured fruits along with a small portion of stem / pedicel should be picked up.
		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)



	7		<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
	1	7	initiation.
COFFEE	Fruiting stage	AIZAWL C	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	1	SERCHHIF	<ul> <li>Replanting of new seedling</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> </ul>
	1	LUNGLEI	<ul> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75%</li> <li>SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste</li> </ul>
		LAWNGTLAN	around 3 kg/16 lt water which will give effective control against drought condition.  Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		114 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)



Stromborer	Transplanting	KOLASIB	+	channel for maintain field moisture. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Plough the field properly.
Strawberry  CEREALS AND	Transplanting stage	AIZAWL	+ +	Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.  Make hole in the upper side of the bun and mix FYM with soil properly.  Apply water in every holes of the bun.  Transplant young suckers in the bun.
Kharif Rice	Panicle Initiation stage	LUNGLEI	#	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.  Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug  Rice leafroller	4	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug.  Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.  Stop indiscriminate use of fertilizer.  Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage	Sowing	Zero tillage	Clean all debris from the <i>jhum</i> field.
Greengram	1	LAIZAWL I	Open the furrow with of dao or dibbler or khurpee.
and blackgram	1	1	♣ Put recommended fertilizer dose and
bidengiam	1		mix with soil.
	1		♣ Place two to three seeds per pocket with 30 cm row to row and 15 cm plant
	3.0	~ 7	to plant distance.
Zero tillage	Germination	Zero tillage	♣ Thinning must be done where more
Soybean	stage	(~)	population was observed.
cultivation in			♣ Apply 2% urea solution for better growth.
Jhum	1		Weeding and earthing up should be carried out.
Zero tillage	Sowing stage	Zero tillage	♣ Due to availability of soil moisture in
Toria	3	THE PARTY OF THE P	field, land preparation should be
		55	started for toria after rice harvest. It can be grown better in loamy soils
		1	having adequate provision of drainage.
	(		Clean all debris from the field.
			♣ Open the furrow with of dao or dibbler
		20 1	or khurpee. ♣ Put recommended fertilizer dose and
		LAWNGTLAN	mix with soil.
		SAIHA	♣ Place six to eight seeds per pocket with
		(	30 cm row to row and 15 cm plant to
		1	plant distance.  Sow certified seeds from a reliable
	ı	6 6	U

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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		signt (iii 21, 15 00 and 15 00).
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	SERCHH	<ul> <li>♣ After this, irrigation has to be withheld to hasten maturity.</li> <li>♣ Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>♣ Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>♣ One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of peeds (7, 10cm)</li> </ul>
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.

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)



		KOLASIB	<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Sowing stage	AIZAWL	<ul> <li>Variable, healthy, well mature and pure seeds should be sown.</li> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.</li> </ul>
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
	1	LUNGLEI &	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage	LAWNGTLAUSAIHA	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>

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)



			every alternative days.
Chilli	Nursery stage		♣ Nursery preparation for tomato.
		-	♣ Raised bed, nursery bed
	( )	1	solarisation.
	1	3	♣ Bed should be 1m width and
	1	KOLASIB	conventional length.
	1	NULHOID	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	)	44	Line sowing of seeds (7-10cm)
	(	3 4 /	♣ Irrigation must be provide to nursery
	7		every alternative days.
Tomato	Nursery stage	7	Nursery preparation for tomato.
	indicately bouge		Raised bed, nursery bed solarisation.
	MAMIE		♣ Bed should be 1m width and
	7. 17.2555555	1	conventional length.
	3.	A ATZAVVIL	Application of FYM (1.5-2.0 kg/ m²)
		7	Line sowing of seeds (7-10cm)
		(	☐ Irrigation must be provide to nursery
	- 1	22	every alternative days.
	) 0	Damping off	Seed treatment with thiram 3g/kg seed or
	100		Trichoderma viride 4g+ metalaxyl 4g
		SERCHN	(Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g
		- SERONN	captan or 3 copper oxychloride/ lt of water
	V	The start of	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		MHARMA	kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	1		animals.
		500	1st injection at 6 months of age and
		17	2nd injection at 12 months of age
	1		followed by annual vaccination under vet supervision against FMD.
		1 1	Reduce concentrate diet up to 5%.
	N N	1 50 4	Provide adequate potable water.
		V	In present weather conditions
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		- SAIHA	available in State Veterinary Departs)
		Porcine	Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		P N	<b>8</b>   <b>P</b> 2 G 2
			8   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)



9 | Page

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

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)



		<b>♣</b> Rem	ove wet litter.
Monitoring of fish in pond	KOLASIB AIZAWA SERCHI	mair in p low of pl low p low	transparency in the water to avoid the of aquatic weeds. ication of plankton inoculum from r ponds could help in development ankton production. fishes should be observed regularly sign of disease outbreak especially ootic ulcerative syndrome during season. In case of EUS outbreak, ax @1litre/ha may be applied in the d.  with of aquatic weed could be rolled by stocking of few common s which would de-root the aquatic
	LUNGLEI LAWNGTLAU SAIHA		10   P a g e
	fish in pond	MAMIT AIZAWA	Monitoring of fish in pond  **Appl main in p low j was a point of pl was a point of

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	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

11 | 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: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	5	3	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Partially clear	Partially clear	Partially clear	Clear sky	Clear sky
Max RH (%)	100	100	99	89	98
Min RH (%)	64	56	40	35	33
Wind Speed (KmpH)	3	3	3	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Saiha- 216.20 mm Aizawl- 384.87mm Champhai- 268.78mm

(371.4mm)

Kolasib- 247.17mm (367.7mm)(372.0mm)

(301.30mm)(430.2mm)Lawngtlai-291.20mm Lunglei-370.28mm

**Mamit-197.57mm** 

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

04<sup>th</sup>November - 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

(376.0mm)

Maximum Tem. (°C):20-22°C Minimum Tem. (°C):13-15°C Maximum RH (%):83-93% Minimum RH (%):72-86% Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2 km/hr

Rainfall: 00.0 mm

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 89-100% leh a hniam lai berin 33-64% ni tur a rin niin. Thli hi darkar khatah 3-4 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: 18.0mm

**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		E	♣ 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
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
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	L. 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
			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.
	1	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 ☐ In leh loa saw
	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.	1 17. in in 1 in
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	Į.		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
		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)



4 | Page

Contract	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		7	Lei rih vur hian thlai kung te a veng ve
and black	3	5	ani.  4 Thlasik lai a lei khoro lutuk tur ven
gram cultivation in		5	nan a chungah hnim leh thildanga
rice fellow	3 MAMIT		khuh tur ani.
Potato	Sowing stage	AIZAWL	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	)		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 1/4	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3.0	~ / /	A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		V- Jackonin	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		0011 p 011 0111 0011
Tomato	Bacterial		+ Tomato bikah chuan sik leh sa hi
	Blight disease	National Control of the Control of t	natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk
		LUNGLEI	hmunah chuan natna an kai hma bik
	1	yma	ani.
	-	n ?~	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
		177 6	tur ani .
Early Cole	Black spot	1 5 4	A than a that their 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
		2 2	sa vangin a ililah ah ulii uulii 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	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	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 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	SERCHN	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)



	57		#	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	reventive neasures	0-3 rd week 4th weeks	*	-
	\$ MADNIT		_	coccidiostat
FISHERY	2. 025000	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
m		LINGLEI	+ 7+ + +	Dil a chinai hman hian tui thur tur a veng mai nilovin, tuithur avang a natna lo awm thei lak atangin sangha a veng thei.  Dil tui a fim lutuk avanga hnim lo to tur vennan leitha dilah hman thin tur a ni.  Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani.  Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani.  Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani  Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur

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)



#### **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	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	V	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

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: 04 November - 08 November, 2017

Date of issue: 03rd November, 2017 Bulletin No: - 747/2017/ Bulletin/English

Parameters         04.11.2017         05.11.2017         06.11.2017         07.11.2017         08.11.2017           Rainfall (mm)         10         5         3         0         0           Max Temp (°C)         27         27         27         27         27           Min Temp (°C)         11         11         11         10         10           Cloud Coverage         Partially clear         Partially clear         Partially clear         Clear sky         Clear sky           Max RH (%)         100         100         100         90         99           Min RH (%)         77         59         36         35         35           Wind Speed (KmpH)         4         4         4         4         4						
Max Temp (°C)         27         27         27         27         27           Min Temp (°C)         11         11         11         10         10           Cloud Coverage         Partially clear         Partially clear         Partially clear         Clear sky         Clear sky           Max RH (%)         100         100         100         90         99           Min RH (%)         77         59         36         35         35	Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Min Temp (°C)         11         11         11         10         10           Cloud Coverage         Partially clear         Partially clear         Partially clear         Partially clear         Clear sky           Max RH (%)         100         100         100         90         99           Min RH (%)         77         59         36         35         35	Rainfall (mm)	10	5	3	0	0
Cloud Coverage         Partially clear         Partially clear         Partially clear         Clear sky         Clear sky           Max RH (%)         100         100         100         90         99           Min RH (%)         77         59         36         35         35	Max Temp (°C)	27	27	27	27	27
Max RH (%)         100         100         100         90         99           Min RH (%)         77         59         36         35         35	Min Temp (°C)	11	11	11	10	10
Min RH (%) 77 59 36 35 35	Cloud Coverage	Partially clear	Partially clear	Partially clear	Clear sky	Clear sky
	Max RH (%)	100	100	100	90	99
<b>Wind Speed (KmpH)</b> 4 4 4 4 4	Min RH (%)	77	59	36	35	35
	Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction E E E E	*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 STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

**Aizawl- 384.87mm** Champhai- 268.78mm (301.30mm)

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm (372.0mm)

(430.2mm)Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

**Mamit-197.57mm** 

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

(376.0mm)Weather forecast valid from 04th November, 2017 To 08<sup>th</sup> November, 2017.

Maximum Tem. (°C):20-24°C Minimum Tem. (°C):14-17°C Maximum RH (%):87-93% Minimum RH (%):73-84% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

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 27°C and 10-11°C. Maximum relative humidity is expected in the range of 90-100% and minimum may from 35-77%. Wind direction would be easterly with the wind speed of 4 km per hour. Partially clear will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 18.0 mm

**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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	(C)	♣ According to forecast and past weather
<b>MANDARIN</b>	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	7		and temperature will be high. So
LIME	)	CA.	drainage channel shall be block the
BANANA	(	1 1	channel for maintain field moisture.
BANANA	3	The same of the sa	# Medium to young seedling should be
	1		support by bamboo stake.
STAR FRUIT			Use split dose of fertilizer for normal
SIAK FKUII	MAINIT		growth and development.  4 To increase the fruit set, spray 2, 4 – D
	\$ 1000 m	100000	(a) 20 ppm during flowering stage. For
PLUM AND	1	( AIZAWIL )	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	1	( )	size).
	1		♣ Due to high humidity, high
	2 6		temperature and less rainfall in hilly
	)		region of the district probability of leaf
		SERCHN	
		V~ }	Hexaconazole @ 1 ml/10 lt of water.
	1	Citrus cancar	Copper- based fungicides Copper Oxy
	1		Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a
		LUNGLEI	barrier against infection, but they will not
	3	HM10399-H11	treat an existing infection.  Control minor infections limited to a small
	2.7	yes,	V.
	5	17 (	area of the tree by pruning away the affected parts.
			<ul><li>Severely infected trees should be destroyed</li></ul>
	(	( 5 20)	to prevent infecting healthy trees nearby.
		Citrus leafminor	♣ Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
			dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAN	stage when 1st instars predominate which
<b>.</b>	** **	SAIHA	coincides with I Fortnight of July.
Passion Fruit	Harvesting		Slightly purple coloured fruits along
	stage	1	with a small portion of stem / pedicel
		0 0	should be picked up.
		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)



		Fruit fly	<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
DI ANNAMION OF		2	initiation.
PLANTATION CR COFFEE	Fruiting stage	AIZAWL C	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	P	SERCHNIF	<ul> <li>Replanting of new seedling</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> </ul>
	3	LUNGLEI	<ul> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75%</li> <li>SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste</li> </ul>
		LAWNGTLAN	around 3 kg/16 lt water which will give effective control against drought condition.  4 Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		1174 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)



Stuore to some	Two manufactions	KOLASIB	+	channel for maintain field moisture. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry  CEREALS AND	Transplanting stage	AIZAWL	+ +	Plough the field properly.  Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.  Make hole in the upper side of the bun and mix FYM with soil properly.  Apply water in every holes of the bun.  Transplant young suckers in the bun.
Kharif Rice	Panicle Initiation stage	LUNGLEI	#	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.  Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug  Rice leafroller	4	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug.  Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.  Stop indiscriminate use of fertilizer.  Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage	Sowing	Zero tillage	Clean all debris from the <i>jhum</i> field.
Greengram	1	LAIZAWL I	♣ Open the furrow with of dao or dibbler or khurpee.
and blackgram	1	1	<ul><li>♣ Put recommended fertilizer dose and</li></ul>
bidengiam	1		mix with soil.
	1		<ul><li>♣ Place two to three seeds per pocket</li><li>with 30 cm row to row and 15 cm plant</li></ul>
	3.0	~ 7	to plant distance.
Zero tillage	Germination	Zero tillage	♣ Thinning must be done where more
Soybean	stage	(~)	population was observed.
cultivation in			♣ Apply 2% urea solution for better growth.
Jhum	1		<ul> <li>Weeding and earthing up should be carried out.</li> </ul>
Zero tillage	Sowing stage	Zero tillage	♣ Due to availability of soil moisture in
Toria	3		field, land preparation should be started for toria after rice harvest. It
	7	m 820	can be grown better in loamy soils
		)(	having adequate provision of drainage.
		19 25	♣ Clean all debris from the field.  11111
		1 (3)	♣ Open the furrow with of dao or dibbler or khurpee.
		1	<ul><li>♣ Put recommended fertilizer dose and</li></ul>
		LAWNGTLAN	mix with soil.
		SAIHA	♣ Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to
			plant distance.
		A S I	Sow certified seeds from a reliable
		6	

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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>
Colocasia	Harvesting stage	SERCHH	g or dimethoate 2 ml/lt of water.  After this, irrigation has to be withheld to hasten maturity.  Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.  Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.  One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole crop	Nursery stage	Land preparation  Damping off	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> </ul>

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)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of
			water at 10-15 DAS are effective.
Colocasia	Harvesting stage	KOLASIB	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully</li> </ul>
	MAMIT	AIZAWL	uprooting the plants and the mother corms and cormels are separated.  One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop	35	preparation	cauliflower, broccoli and knolkhol.  Raised bed, nursery bed solarisation.  Bed should be 1m width and
		SERCHH	conventional length.  ↓ Application of FYM (1.5-2.0 kg/ m²)  ↓ Line sowing of seeds (7-10cm)  ✓ Irrigation must be provide to nursery every alternative days.
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.  Bed should be 1m width and conventional length.
	6	n ~	Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm)
		150	Irrigation must be provide to nursery
		( WY	every alternative days.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAL	(Apron)/ kg seed  ♣ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage	121	♣ Variable, healthy, well mature and pure seeds should be sown.
		111	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)



			Optimum spacing for pole type 60 cm X 30 cm.
			♣ Before sowing seed should be treated
	67	1	with Rhizobium vermicompost@10
Capsicum	Nursery stage	Poly house	t/ha.  ♣ Raised bed, nursery bed solarisation.
Capsicum	Nuiscry stage	1 dry nouse	Bed should be 1m width and
	1	En S	conventional length.
	(	3 4 /	Application of FYM (1.5-2.0 kg/ m²)
	7		<ul><li>Line sowing of seeds (7-10cm)</li><li>Irrigation must be provide to nursery</li></ul>
	- f	3	every alternative days.
	1	/	♣ Seed treatment with thiram 3g/kg seed or
	MAINIT	(	Trichoderma viride 4g+ metalaxyl 4g
	5	LAIZAWL I	(Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g
	1	Yanna I	captan or 3 copper oxychloride/ lt of water
	1	}	at 10-15 DAS are effective.
Brinjal	Nursery stage	The same	Nursery preparation for Brinjal.
	) 6		Raised bed, nursery bed
	1		solarisation.
		SERCHN	Bed should be 1m width and
	1	V	conventional length.  Application of FYM (1.5-2.0 kg/
	4		$m^2$ )
			Line sowing of seeds (7-10cm)
			Irrigation must be provide to nursery
		LUNGLEI	every alternative days.
Chilli	Nursery stage		Nursery preparation for tomato.
	-	w 800	Raised bed, nursery bed
		11	solarisation.
	(	( )	Bed should be 1m width and
			conventional length.  Application of FYM (1.5-2.0 kg/ m²)
		-3	Line sowing of seeds (7-10cm)
		The second secon	♣ Irrigation must be provide to nursery
		LAWNGTLAN	every alternative days.
Tomato	Nursery stage	SAIHA	Nursery preparation for tomato.
			Raised bed, nursery bed solarisation.
		200	Bed should be 1m width and

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)



		-	
			conventional length.
			4 Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		1	Line sowing of seeds (7-10cm)
	1 1	6	♣ Irrigation must be provide to nursery
	) \	-0	every alternative days.
	The second	Damping off	♣ Seed treatment with thiram 3g/kg seed or
	J.	NULASIB	Trichoderma viride 4g+ metalaxyl 4g
	1	La S	(Apron)/ kg seed
	7	7	Drenching 1% Bordeaux mixture or 2 g
	)		captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBEN	NDARY		at 10-13 DAS are enective.
Pig	All stages		♣ Animals must keep in dry place or
8	(A) (A)		kept in alleviated area and dry bedding
	/ MAMIT	\$ 7	(straw) to be provided to young
	1	Z AIZAWIL Y	animals.
	)	3	<b>↓</b> 1st injection at 6 months of age and
	1	)	2nd injection at 12 months of age
	160		followed by annual vaccination under
	- 1		vet supervision against FMD.
	1 6		Reduce concentrate diet up to 5%.
	1		<ul> <li>Provide adequate potable water.</li> </ul>
		SERCHH	In present weather conditions
		~	vaccinate against swine fever (Vaccines
	(		available in State Veterinary Departs),
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	r. Cuming of positive pige of pigietes.
		Respiratory	(
		Syndrome (PRRS).	ST.
Cattle	All age group		In present weather conditions, special
		5	care should be taken against attack of
		11	maggots in the wounds of animals.
			Application of turpentine oil in the
		100	wounds followed by application of
	,		antibiotics for five days is advised.
		( -0 4	♣ Provide UMB/Molases if possible in the
		The same of the sa	feed
		LAWNGTLAL	♣ Provide 10-30 ml of vitamin B-Complex
		# SAIHA	
		1	♣ 1st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
		20	followed by annual vaccination under
		1111	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)



Poultry	Litter management	KOLASIB	vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed.  Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses.  Vaccination as per the schedule with proper consultation with vet.  Day old chick: HVT Marek disease
FISHERY	Monitoring of	LUNGLEI	Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.  Remove wet litter.  Application of lime not only helps in
	fish in pond	LAWNGTLAUSAIHA	maintaining the water pH but also aid in preventing diseases associated with low pH.  Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.  Application of plankton inoculum from
		1 4 6	10   P a g e

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



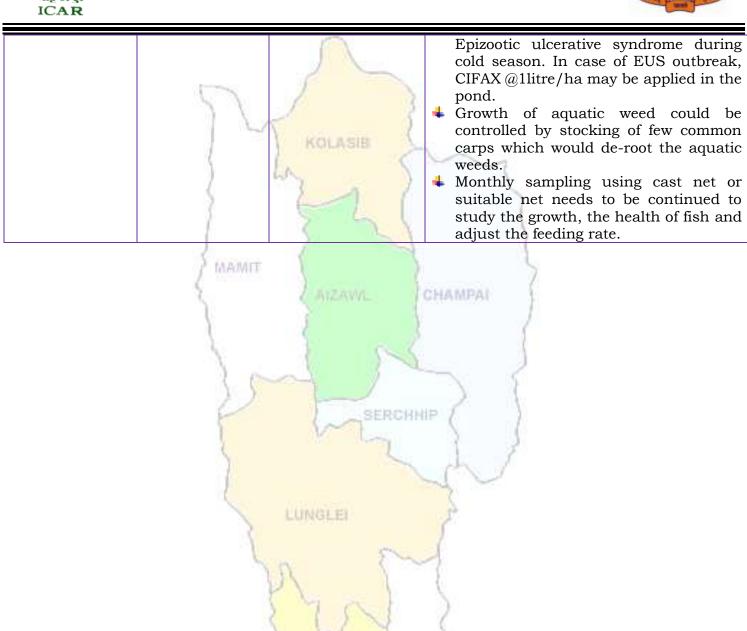
#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



11 | Page



LAWNGTLA

SAIHA

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	1:	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	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

12 | 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: Champhai Period: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

	0.00	R.	1		
Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	5	3	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Partially clear	Partially clear	Partially clear	Clear sky	Clear sky
Max RH (%)	100	100	100	90	99
Min RH (%)	77	59	36	35	35
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 STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

**Aizawl- 384.87mm** 

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

04<sup>th</sup>November – 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):20-24°C Minimum Tem. (°C):14-17°C Maximum RH (%):87-93% Minimum RH (%):73-84% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin of 90-100% leh a hniam lai berin 35-77% 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: 18.0mm

**NDVI** for Mizoram

North East Region 28. Nor 2017

| Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Section 2017 | Se

Moderately wet mildly dry/mildly wet conditions

Date of issue: 03rd November, 2017

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	A levi otomeo	- 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	}	375	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
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
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	L. 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
			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.
	1	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 N	) -3	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
		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)



	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 CROP					
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		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
		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)



	0-3 rd week	<ul> <li>♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>♣ Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>♣ Parithet Disease en pien etenga pien.</li> </ul>
Preventive measures	4 <sup>th</sup> weeks	<ul> <li>♣ Ranikhet Disease- an pian atanga ni 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> <li>♣ Coccidiosis- Amprolium or</li> </ul>
\$ 100 m		coccidiostat
FISHERY	4-5 <sup>th</sup> Weeks	<b>↓</b> Calcium tonic fortified with B <sub>12</sub>
Stocking an monitoring (Sangha chhuah leh enkawl)	1 50	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani.  Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani.  Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani  Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

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)



#### **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	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	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	f.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	: (	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: Kolasib Period: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/English Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	4	2	0	0	0
Max Temp (°C)	28	29	29	28	28
Min Temp (°C)	18	17	18	17	17
Cloud Coverage	Mainly cloudy	Mainly cloudy	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	98	100
Min RH (%)	49	47	42	38	35
Wind Speed (KmpH)	3	2	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Ch

Champhai- 268.78mm (301.30mm)

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

Mamit-197.57mm

(372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):26-30°C Minimum Tem. (°C):19-22°C Maximum RH (%):88-94% Minimum RH (%):71-83% Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 04th November, 2017 To 08th November, 2017.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 17-18°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 35-49%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Partially clear will prevail during the next five days.

#### Weekly cumulative rainfall: 06.0 mm

NDVI for Mizoram

North Lest Segion

10 June 1917

10 June 1917

10 June 1917

Moderately wet mildly dry/mildly wet conditions

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

E-mail: kolasib.amfu@gov.in

1 | P a g e



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID	Flowering to fruiting stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So</li> </ul>
LIME BANANA	2	Long )	drainage channel shall be block the channel for maintain field moisture.
DANANA	1	20	<ul><li>Medium to young seedling should be support by bamboo stake.</li><li>Use split dose of fertilizer for normal</li></ul>
STAR FRUIT	MAMIT		growth and development.  4 To increase the fruit set, spray 2, 4 – D
PLUM AND PEACH	1	A AIZAWL	<ul> <li>@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).</li> </ul>
	35	SERCHH	Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply
	1	Citrus cancar	Hexaconazole @ 1 ml/10 lt of water.  Copper- based fungicides Copper Oxy Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a barrier against infection, but they will not
	3	LUNGLEI	treat an existing infection.  Control minor infections limited to a small
	5	J {~	area of the tree by pruning away the affected parts.  4 Severely infected trees should be destroyed
	1	1921	to prevent infecting healthy trees nearby.
		Citrus leafminor and butterfly	♣ Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching stage when 1st instars predominate which
Passion Fruit	Harvesting stage	SAIHA	coincides with I Fortnight of July.  Slightly purple coloured fruits along with a small portion of stem / pedicel should be picked up.
		The state of the s	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)



	7		<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
D. A. W. A. T. C.		2	initiation.
COFFEE	Fruiting stage	AIZAWL C	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	1	SERCHHIF	Replanting of new seedling  ♣ Medium to young seedling should be support by bamboo stake.  ♣ Replace dead plant with young seedlings.  ♣ Fertilizer dose should be maintained.  Fruiting stage
	1	LUNGLEI	<ul> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste</li> </ul>
		LAWNGTLAN	around 3 kg/16 lt water which will give effective control against drought condition.  Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		1174 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)



				channel for maintain field moisture.
			4	Use grass or straw mulch to prevent
			_	from waterloss.
			4	Medium to young seedling should be
	1. 1	5	_	support by bamboo stake.
		7	4	10-12 kg of well rotten organic manure
		KOLASIB	20	and 225 gm rock phosphate should be
	(	l	3	apply at time of planting to each pit as
	)	GC )		basal dose application.
Strawberry	Transplanting		4	Plough the field properly.
	stage	San Car		Make bun in the field and cover with
	bugo			black mulch to reduce water
	2			transpiration and also weed control.
	/ MAMIT		4	Make hole in the upper side of the bun
	5	AIZAWL I	6	and mix FYM with soil properly.
	1	Canenar 1	4	Apply water in every holes of the bun.
	1	j l	4	Transplant young suckers in the bun.
CEREALS AND				
Kharif Rice	Panicle		+	According to forecast and past weather
	Initiation			record, probability of rain will be less
	stage			and temperature will be high. So
	-	SERCHN	ΙĖ	drainage channel shall be block the
	1	V~ 1~		channel for maintain field moisture.  Due to high humidity, high
			_	Due to high humidity, high temperature and less rainfall in plan
	1			region of the district probability of blast
				will be high. So apply Tubeconazole @ 1
		LUNGLEI		ml/10 lt of water.
	>	H100500000	4	Maintain water level in the field and if
	3	2000		possible one hand weeding should be
		7		done.
		Gandhi bug	+	Weed sanitation and eradication of
	()	1 9 8		alternate hosts from rice fields and
				surrounding areas can help prevent the multiplication of the Gandhi bug.
		1 =0	4	Mechanical control measures such as
				smoking the field, hand-picking of adults
		LAWNGTLAL		and nymphs have also been advocated.
		Rice leafroller	+	Stop indiscriminate use of fertilizer.
			*	Use any systemic insecticide like
		A A	-/	Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy
		2 1	111	damage and 2 mi/it of water for fleavy

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage	Sowing	Zero tillage	↓ Clean all debris from the <i>jhum</i> field.     ↓ Open the furrow, with of dee or dibbler.
Greengram and	1	/ AIZAWL /	♣ Open the furrow with of dao or dibbler or khurpee.
blackgram	1	1	♣ Put recommended fertilizer dose and
blackgrain	1		mix with soil.
	1		♣ Place two to three seeds per pocket
	1		with 30 cm row to row and 15 cm plant to plant distance.
Zero tillage	Germination	Zero tillage	<b>♣</b> Thinning must be done where more
Soybean	stage	SERCHH	population was observed.
cultivation in	1		4 Apply 2% urea solution for better
Jhum	7		growth.  4 Weeding and earthing up should be
	1		carried out.
Zero tillage	Sowing stage	Zero tillage	♣ Due to availability of soil moisture in
Toria	3		field, land preparation should be
		w 8200	started for toria after rice harvest. It can be grown better in loamy soils
		11	having adequate provision of drainage.
		( 19 20)	♣ Clean all debris from the field.
			♣ Open the furrow with of dao or dibbler
		30	or khurpee.  ♣ Put recommended fertilizer dose and
		LAWNGTLAN	mix with soil.
		SAIHA	♣ Place six to eight seeds per pocket with
		(	30 cm row to row and 15 cm plant to
		1	plant distance.  Sow certified seeds from a reliable
	<u> </u>	0 1	- 55% certified 5ccd5 from a reliable

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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>♣ According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>♣ Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>♣ Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	BERCHH	<ul> <li>♣ After this, irrigation has to be withheld to hasten maturity.</li> <li>♣ Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>♣ Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>♣ One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Irrigation must be provide to nursery every alternative days.</li> </ul>
			<ul><li>♣ Raised bed, nursery bed solarisation.</li></ul>

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)



		KOLASIB	<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Sowing stage	AIZAWL	<ul> <li>Variable, healthy, well mature and pure seeds should be sown.</li> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.</li> </ul>
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
	1	LUNGLEI ~	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
Brinjal	Nursery stage	LAWNGTLAUSAIHA	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>

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)



			every alternative days.
Chilli	Nursery stage		♣ Nursery preparation for tomato.
		1	♣ Raised bed, nursery bed
	( )	7	solarisation.
	1	5	♣ Bed should be 1m width and
		KOLASIB	conventional length.
	1	(	♣ Application of FYM (1.5-2.0 kg/ m²)
	)	W.	♣ Line sowing of seeds (7-10cm)
	(	201	♣ Irrigation must be provide to nursery
	3		every alternative days.
Tomato	Nursery stage		Nursery preparation for tomato.
	2		Raised bed, nursery bed solarisation.
	MAMIT	( )	Bed should be 1m width and
	9	Z AIZAWL Z	conventional length.  4 Application of FYM (1.5-2.0 kg/ m²)
	)	A STATE OF THE STA	Line sowing of seeds (7-10cm)
	)	) }	Irrigation must be provide to nursery
	1	3 0 6	every alternative days.
	1 1	Damping off	♣ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1)	- Transmi	(Apron)/ kg seed
		SERCHN	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	y	The state of	at 10-15 DAS are effective.
ANIMAL HUSBEI	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		Milliane	kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	1		animals.
	, t	m 850	1st injection at 6 months of age and 2nd injection at 12 months of age
		1	followed by annual vaccination under
	()	Ci Si I	vet supervision against FMD.
	Į.		Reduce concentrate diet up to 5%.
	1	1 55 7	Provide adequate potable water.
			♣ In present weather conditions
		LAWNGTLAL	vaccinate against swine fever (Vaccines
		SAIHA	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	-0
		Respiratory	107
		1 4 6	8   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)



		Syndrome (PRRS).		
Cattle	All age group		_	er conditions, special
				ken against attack of
	1	1		wounds of animals.
	1 1	5		rpentine oil in the
		KOLASIB		by application of
	- (	1	antibiotics for five	ases if possible in the
	)	W.	feed	ases ii possible iii tile
	(	1 1		of vitamin B-Complex
	3	Control of the second	in feed	or vitamini B complex
	1			-8 weeks of age, 2nd
		/		nonths of 1st injection
	MAMIT			al vaccination under
	5	AIZAWL I	vet supervision.	
	1	Carenar 1	Separate sick anim	
	1	5		uld be washed with
	1	1 6 7	lukewarm water	
			potash (KMnO4) or	
			Long hair	near the
	1)		teamed short.	ack legs should be
Poultry	Litter	SERCHH		dose of anti-coccidial
Toultry	management	V Lag	drugs to poultry.	dose of diffi coccidiar
	management		Proper ventilation	of shed.
	4			electral along with
				ents (@5- 6ml/100
		LUNGLEI	birds) with adequa	
	3		Avoid overcrowdin	
		5	_	ectrum antihelminthic
	. 7	11	drug under ver recommended dose	
	9			er the schedule with
		700	proper consultation	
	N.	1 -		HVT Marek disease
		1		ys:¬ F/Lasota, 14-18
		LAWNGTLAL	days: Intern	mediate plus/IBD
		SAIHA		lays: F/Lasota, 6-7
				en embryo adopted
				ine and 56-70 days:
		2 5	RD R-2B strain	1.

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)



			4	Remove wet litter.
FISHERY				
	Monitoring of fish in pond	KOLASIB	4 4 GH/	Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH.  Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.  Application of plankton inoculum from other ponds could help in development of plankton production.  The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @1litre/ha may be applied in the pond.  Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds.  Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.
		LAWNGTLAL		
		6/17	)	10   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)



#### **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	1	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	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

11 | 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: Kolasib Period: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	4	2	0	0	0
Max Temp (°C)	28	29	29	28	28
Min Temp (°C)	18	17	18	17	17
Cloud Coverage	Mainly cloudy	Mainly cloudy	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	98	100
Min RH (%)	49	47	42	38	35
Wind Speed (KmpH)	3	2	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm Saiha- 2

Saiha- 216.20 mm Kolasib- 247.17mm (367.7mm) (372.0mm)

(430.2mm)

Lawngtlai-291.20mm

Lunglei-

(301.30mm) (367.7mm) Lunglei-370.28mm Mamit-197.57mm

Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

04<sup>th</sup>November – 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-30°C Minimum Tem. (°C):19-22°C Maximum RH (%):88-94% Minimum RH (%):71-83% Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind speed: 2 km/hr

Rainfall: 00.0 mm

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 35-49% 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: 06.0mm

**NDVI** for Mizoram

Restrict East Region 29 Associated 1 and 1

Moderately wet mildly dry/mildly wet conditions

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	nusbanuty auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	u song nun	NULASIB	velah dahkhawm tur ani.
LIME	)	LA V	♣ Thlai naupang deuah chuan chawlh
	(	3 4 /	kar tin a tui pek thin tur ani.
BANANA	- 7		Leia tha mamawh tawk a hmuh
	- 1	( )	theihna turin a hmunhma a hnim awm
STAR FRUIT		/	te thlawhfai thin tur ani.
SIAR FRUII	MAMIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	5	AIZAVA	leh a rah than that nan te leh a rah
PLUM AND	1	Contenue:	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		10 8/1.
COFFEE	All stages	PAGAPET.	Nursery stage
			♣ Thlai chi thlak hma in Azospirillum leh
	1	m Em	Phosphobacterium a enkawl tur ani.
		11	A chi hi December – January ah hmun
		Chi se l	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 3 3	tlar mumal tak siam in chin tur ani.
		20	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.  4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		SAIHA	ani.
			♣ Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
		0 1	

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
The second secon	thin a ni.
	♣ A rah hmin tha lo ho chu nuai sawm
	hmain an thliar hrang leh vek thin ani.
Coffee F	
bore	
( )	♣ Hmaih neih nuaih loh tur ani.
) 600	♣ Sneg hmaih te lakkhawma paih vek tur
	ani.
	♣ Seng bang zawng zawng chu uluka taka
	paih fai vek tur ani.
	♣ A thlai vennan a rah tlai ho chu paih vek
2 MAMIT 1	tur ani.
2 102000	Hmun dam lutukah dah loh tur.
Z AIZAW	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
	tak a hlawi tur ani.
) /	tak a mawi tur ani.  Chuan hei hian kah tur ani. Quinalphos 25
	EC @ 340 ml/200 lit emaw lamda
	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	■ In leh loa sawngbawln a a ro dan tur
	tawkah chuan: Arabica / robusta
	parchment 10 %, Arabica cherry 10.5 % leh
	robusta cherry 11.0 %.
Coffee 1	
	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 PULSE CROPS	monsoon an kan chiquizawii tur ani.
Rabi Maize A chin hun	→ Vaimim chinna tur atan lei kan let
11 01111 11411	phut darh anga.
	Hei hian a rawn to chhuah na tur atan
	a pui dawn a ni.
R ( )	♣ A chi chu kan lei leh saah chuan kan
) -3	dah ang.
V S	
LAWNGTL	sawngbawl hmasa anga.
	SAIHA 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, $P_2O_5$ leh
D 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)



	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			# 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 | 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		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>
	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	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	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	<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)



57		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
Preventive measures	0-3 rd week	<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>
J.,,,,,,,	4 <sup>th</sup> weeks	♣ Coccidiosis-       Amprolium or coccidiostat
/ memi	4-5 <sup>th</sup> Weeks	♣ Calcium tonic fortified with B <sub>12</sub>
FISHERY	( AIZAVVI.	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani.  Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani.  Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani  Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

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)



#### **Expert committee members:**

Dr. S.B. Singh		Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	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	1:	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		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 | 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 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/English Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	4	0	0	0
Max Temp (°C)	28	27	27	27	27
Min Temp (°C)	18	17	17	17	17
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	98	98	98	96	97
Min RH (%)	68	53	47	41	38
Wind Speed (KmpH)	2	3	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm (

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):25-28°C Minimum Tem. (°C):13-16°C

Maximum RH (%):82-95%

Minimum RH (%):68-82% Wind Direction: Southeasterly

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

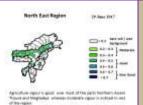
Rainfall: 00.0 mm

Weather forecast valid from 04th November, 2017 To 08th November, 2017.

There are chances of moderate to light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 17-18°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 38-68%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Partially clear will prevail during the next five days.

#### Weekly cumulative rainfall: 14.0 mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

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

E-mail: kolasib.amfu@gov.in

1 | Page



## 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 MANDARIN AND ACID	Flowering to fruiting stage	KOLASIB	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
LIME BANANA	}	7	channel for maintain field moisture.  # Medium to young seedling should be support by bamboo stake.  # Use split dose of fertilizer for normal
STAR FRUIT	MAIMIT	1	growth and development.  To increase the fruit set, spray 2, 4 – D  20 ppm during flowering stage. For
PLUM AND PEACH	1	Z AIZAWL.	fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
	35	SERCHH	Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
		Citrus cancar	Copper- based fungicides Copper Oxy Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a barrier against infection, but they will not
	1	LUNGLEI ~	treat an existing infection.  Control minor infections limited to a small area of the tree by pruning away the affected parts.
		1901	Severely infected trees should be destroyed to prevent infecting healthy trees nearby.
		Citrus leafminor and butterfly	Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching stage when 1st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting stage		Slightly purple coloured fruits along with a small portion of stem / pedicel should be picked up.
		1 14 /	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)



	7	Fruit fly	<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
DI ANDADION CE	OD		initiation.
COFFEE	Fruiting stage	AIZAWL C	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	J.	SERCHNIF	<ul> <li>Replanting of new seedling</li> <li> ↓ Medium to young seedling should be support by bamboo stake.</li> <li> ↓ Replace dead plant with young seedlings.</li> <li> ↓ Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> </ul>
	}	LUNGLEI	<ul> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75%</li> <li>SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste</li> </ul>
		LAWNGTLAN	around 3 kg/16 lt water which will give effective control against drought condition.  Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		1174 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)



				channel for maintain field moisture.
			4	Use grass or straw mulch to prevent
				from waterloss.
		1	4	Medium to young seedling should be
	1. 1	5	_	support by bamboo stake.
		7	4	10-12 kg of well rotten organic manure
		KOLASIB	25	and 225 gm rock phosphate should be
	1		3	apply at time of planting to each pit as
	)	D. 3		basal dose application.
Strawberry	Transplanting	1 1	4	Plough the field properly.
Strawberry	stage	The same of		Make bun in the field and cover with
	stage			black mulch to reduce water
		1		transpiration and also weed control.
	MAMIT		4	Make hole in the upper side of the bun
	( 10250000	100000	2	and mix FYM with soil properly.
	16	( ATZAWIL )	4	Apply water in every holes of the bun.
	1	1	4	Transplant young suckers in the bun.
CEREALS AND	PULSE CROPS			<u> </u>
Kharif Rice	Panicle	100	4	According to forecast and past weather
	Initiation			record, probability of rain will be less
	stage			and temperature will be high. So
		SERCHN	i.	drainage channel shall be block the
		V~		channel for maintain field moisture.
	(		+	Due to high humidity, high
				temperature and less rainfall in plan
				region of the district probability of blast
	26	A DECEMBER OF THE PERSON NAMED IN COLUMN TO		will be high. So apply Tubeconazole @ 1
		LUNGLEI		ml/10 lt of water.
	3		-	Maintain water level in the field and if
		5	-	possible one hand weeding should be done.
		Gondhi hus	4	Weed sanitation and eradication of
	)	Gandhi bug	_	alternate hosts from rice fields and
		100		surrounding areas can help prevent the
	,	1 5 3		multiplication of the Gandhi bug.
			4	Mechanical control measures such as
		A summer of the		smoking the field, hand-picking of adults
		Disc to College	- 40	and nymphs have also been advocated.  Stop indiscriminate use of fertilizer.
		Rice leafroller	4	Use any systemic insecticide like
				Monocrotophos 1 ml/lt of water for light
		1 = 1		damage amd 2 ml/lt of water for heavy
		6 6	11)	, , , , , , , , , , , , , , , , , , , ,

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage Greengram and blackgram	Sowing	Zero tillage	<ul> <li>Clean all debris from the <i>jhum</i> field.</li> <li>Open the furrow with of dao or dibbler or khurpee.</li> <li>Put recommended fertilizer dose and mix with soil.</li> <li>Place two to three seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.</li> </ul>
Zero tillage Soybean cultivation in Jhum	Germination stage	Zero tillage	<ul> <li>Thinning must be done where more population was observed.</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out.</li> </ul>
Zero tillage Toria	Sowing stage	LAWNGTLAL SAIHA	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for toria after rice harvest. It can be grown better in loamy soils having adequate provision of drainage.</li> <li>Clean all debris from the field.</li> <li>Open the furrow with of dao or dibbler or khurpee.</li> <li>Put recommended fertilizer dose and mix with soil.</li> <li>Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.</li> <li>Sow certified seeds from a reliable</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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		blight (w 27, 10 00 and 10 00).
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>♣ According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>♣ Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>♣ Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	SERCHH	<ul> <li>♣ After this, irrigation has to be withheld to hasten maturity.</li> <li>♣ Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>♣ Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>♣ One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Irrigation must be provide to nursery every alternative days.</li> </ul>
Onion	Nursery stage	Poly house	<ul><li>♣ Raised bed, nursery bed solarisation.</li></ul>

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)



		KOLASIB	<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Sowing stage	AIZAWL	<ul> <li>Variable, healthy, well mature and pure seeds should be sown.</li> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.</li> </ul>
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
	1	LUNGLEI ~	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage	LAWNGTLAUSAIHA	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>

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)



			every alternative days.
Chilli	Nursery stage		Nursery preparation for tomato.
		1	♣ Raised bed, nursery bed
	1	1	solarisation.
	1 1	5	♣ Bed should be 1m width and
		KOLASIB	conventional length.
	- (		♣ Application of FYM (1.5-2.0 kg/ m²)
	)	W.	♣ Line sowing of seeds (7-10cm)
	8	2 1	☐ Irrigation must be provide to nursery
	\$	Carrie Land	every alternative days.
Tomato	Nursery stage	5	Nursery preparation for tomato.
	2		Raised bed, nursery bed solarisation.
	MAMIT	1	Bed should be 1m width and conventional length.
	§	Z AIZAWL Z	Application of FYM (1.5-2.0 kg/ m²)
	1		Line sowing of seeds (7-10cm)
	1	3	♣ Irrigation must be provide to nursery
	1	) Col	every alternative days.
	1	Damping off	♣ Seed treatment with thiram 3g/kg seed or
	100		Trichoderma viride 4g+ metalaxyl 4g
		SERCHH	(Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g
		- Senonin	captan or 3 copper oxychloride/ lt of water
	Y	1/23	at 10-15 DAS are effective.
ANIMAL HUSBEI			
Pig	All stages		4 Animals must keep in dry place or
	1	A COMPANIES	kept in alleviated area and dry bedding
	)	LUNGLEI	(straw) to be provided to young animals.
	14	p****	↓ 1st injection at 6 months of age and
	7	m to	2nd injection at 12 months of age
			followed by annual vaccination under
	()	( 19 20 )	vet supervision against FMD.
	<u> </u>		Reduce concentrate diet up to 5%.
		30	Provide adequate potable water.
		In a second	In present weather conditions
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		Porcine	available in State Veterinary Departs).  1. Culling of positive pigs or piglets.
		Reproductive	1. Culling of positive pigs of piglets.
		Respiratory	~~
		icopilatory	010
		1	8   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)



		Syndrome (PRRS).	
Cattle	All age group	KOLASIB	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	Litter management	LUNGLEI	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18</li> </ul>

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)



			RD R-2B strain.
			Remove wet litter.
FISHERY		F -	
	Monitoring of fish in pond	AIZAWL	<ul> <li>Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH.</li> <li>Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.</li> <li>Application of plankton inoculum from other ponds could help in development of plankton production.</li> <li>The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @1litre/ha may be applied in the pond.</li> <li>Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds.</li> <li>Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.</li> </ul>
		LAWNGTLAU SAIHA	10   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)



#### **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	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

CHAMPAI

11 | 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: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	4	0	0	0
Max Temp (°C)	28	27	27	27	27
Min Temp (°C)	18	17	17	17	17
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	98	98	98	96	97
Min RH (%)	68	53	47	41	38
Wind Speed (KmpH)	2	3	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

**Aizawl- 384.87mm** 

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

04<sup>th</sup>November – 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-28°C Minimum Tem. (°C):13-16°C Maximum RH (%):82-95% Minimum RH (%):68-82% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-28°C a ni ang a. A vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai berin 96-98% leh a hniam lai berin 38-68% ni tur a rin niin. Thli hi darkar khatah 3-4 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: 14.0mm

**NDVI** for Mizoram

North East Region 29 Ann. 2017

15 Ann. 2017

16 Ann. 2017

17 Ann. 2017

18 Ann. 2017

Moderately wet mildly dry/mildly wet conditions

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 | P a g e

<ul> <li>husbandry advisories</li> <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> <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 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.</li> <li>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.</li> </ul>						
vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.  Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.  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.  Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh						
vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.  Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.  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.  Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh						
vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.  Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.  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.  Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh						
<ul> <li>kar tin a tui pek thin tur ani.</li> <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 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.</li> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh</li> </ul>						
<ul> <li>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.</li> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh</li> </ul>						
Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh						
hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh						
11 11 11 11 11 11 11 11 11 11 11 11 11						
♣ 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 CROP						
<ul> <li>Nursery stage</li> <li>↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>↓ 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.</li> <li>↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</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)



			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.
	(	L. 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	3	paih fai vek tur ani.
	]		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Interview	S	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
	)	3	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.  4 Chuan hei hian kah tur ani. Quinalphos 25
	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	
		( Sections	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-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		270	<b>1 7 7 7 1 1 1 1 1 1 1</b>
Rabi Maize	A chin hun	11	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	i i	) -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 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 10	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		111	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

Contract	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	w)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.  4 Thlasik lai a lei khoro lutuk tur ven
gram	f.	5 2	nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage	1	♣ Muangchang loving alu chin na tur
1 0 0 0 0 0	Downing Stage	( AIZAWL )	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	1	lakah a veng dawn ani.  Lei leh hmain a hmun hma chu fai
	- 1		taka thlawh hmasak tur ani.
	1.0	~ 7	♣ A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		(~)	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		tar por ami tar am
Tomato	Bacterial Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	1		ani.
	5	n Em	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
	1	190	tur ani .
Early Cole	Black spot	1 63 4	👃 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAN	♣ Thlai bul vawn hnawn nana thlai bula 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
		Production of the second	

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	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 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	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)



Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
measures	hy 2	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
\$ MADNIT	4 <sup>th</sup> weeks	Coccidiosis- Amprolium or coccidiostat
FISHERY	4-5 <sup>th</sup> Weeks	<b>♣</b> Calcium tonic fortified with B <sub>12</sub>
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani.  Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani.  Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani  Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

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)



#### **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	M	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	:	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	27	Head & Sr. Scientist	1. 1	9436154614
KVK, Kolasib		Mr. Lalrosamga Khiangte	kvkkolasib@gmail.com	9436152440
	1	Head & Sr. Scientist		
KVK, Serchhip	:1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
_		Head & Sr. Scientist	Jan	9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
_	93	Head & Sr. Scientist		
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi	kvklawntlai@gmail.com	9436155858
		Head & Sr. Scientist		
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark>	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist	6	
KVK, Aizawl	:	Dr. K. <mark>P. Cha</mark> udhary	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: 04 November - 08 November, 2017

Date of issue: 03rd November, 2017 Bulletin No: - 747/2017/ Bulletin/English

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	4	0	0	0
Max Temp (°C)	29	30	30	30	30
Min Temp (°C)	20	21	20	19	19
Cloud Coverage	Partially clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	95
Min RH (%)	69	45	42	35	32
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 STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 268.78mm **Aizawl- 384.87mm** (430.2mm)(301.30mm)

Saiha- 216.20 mm Kolasib- 247.17mm (367.7mm)

(372.0mm)

Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

**Mamit-197.57mm** (376.0mm) Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

Weather forecast valid from 04th November, 2017 To 08<sup>th</sup> November, 2017.

Maximum Tem. (°C):19-21°C Minimum Tem. (°C):13-15°C Maximum RH (%):85-94% Minimum RH (%):68-87% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

There are chances of moderate to light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 19-21°C. Maximum relative humidity is expected in the range of 95-100% and minimum may from 32-69%. Wind direction would be easterly with the wind speed of 4 km per hour. Partially clear will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 14.0 mm

**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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Flowering to	< 5	♣ According to forecast and past weather		
<b>MANDARIN</b>	fruiting stage	KOLASIB	record, probability of rain will be less		
AND ACID	7		and temperature will be high. So		
LIME	)	CA.	drainage channel shall be block the		
BANANA	(	1 1	channel for maintain field moisture.		
DANANA	3	The same of the sa	# Medium to young seedling should be		
	1		support by bamboo stake.		
STAR FRUIT	2		<b>Use</b> split dose of fertilizer for normal growth and development.		
SIAK FKUII	MAMIT		From the fruit set, spray 2, 4 − D		
	\$	0.7000	(a) 20 ppm during flowering stage. For		
PLUM AND	1	( AIZAWL )	fruit retention, spray 2, 4 – D @ 20 ppm		
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble		
	1		size).		
	1		<b>♣</b> Due to high humidity, high		
	1		temperature and less rainfall in hilly		
	1)		region of the district probability of leaf		
		SERCHN			
	1	011	Hexaconazole @ 1 ml/10 lt of water.		
	<b>S</b>	Citrus cancar	Chlorida 50%/WP @ Or/It on hostoricidas		
	4		Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a		
	- 1		barrier against infection, but they will not		
		LUNGLEI	treat an existing infection.		
	3	TEXAL PAINT	Control minor infections limited to a small		
	20/10	22	area of the tree by pruning away the		
		11	affected parts.		
			♣ Severely infected trees should be destroyed		
		1356	to prevent infecting healthy trees nearby.		
	1	Citrus leafminor	4 Apply insecticide like imidacloprid 0.5 ml or		
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or		
		Language and	dimethoate 2 ml /l at 50% egg hatching		
		LAWNGTLAN	stage when 1st instars predominate which coincides with I Fortnight of July.		
Passion Fruit	Harvesting	SAIRA	Slightly purple coloured fruits along		
	stage		with a small portion of stem / pedicel		
			should be picked up.		
	6 9 3				
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)



		Fruit fly	<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
DI ANDAMION CO	l l		initiation.
COFFEE	Fruiting stage	AIZAWL C	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	J.	SERCHNIF	<ul> <li>Replanting of new seedling</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> </ul>
	3	LUNGLEI	<ul> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75%</li> <li>SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste</li> </ul>
		LAWNGTLAN	around 3 kg/16 lt water which will give effective control against drought condition.  Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		114 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)



C4		KOLASIB	4	channel for maintain field moisture. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry  CEREALS AND	Transplanting stage	AIZAWL	+++++++++++++++++++++++++++++++++++++++	Plough the field properly.  Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.  Make hole in the upper side of the bun and mix FYM with soil properly.  Apply water in every holes of the bun.  Transplant young suckers in the bun.
Kharif Rice	Panicle Initiation stage	LUNGLEI	#	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.  Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug  Rice leafroller	4	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug.  Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.  Stop indiscriminate use of fertilizer.  Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage Greengram and blackgram	Sowing	Zero tillage	<ul> <li>Clean all debris from the <i>jhum</i> field.</li> <li>Open the furrow with of dao or dibbler or khurpee.</li> <li>Put recommended fertilizer dose and mix with soil.</li> <li>Place two to three seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.</li> </ul>
Zero tillage Soybean cultivation in Jhum	Germination stage	Zero tillage	<ul> <li>Thinning must be done where more population was observed.</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out.</li> </ul>
Zero tillage Toria	Sowing stage	LAWNGTLAL SAIHA	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for toria after rice harvest. It can be grown better in loamy soils having adequate provision of drainage.</li> <li>Clean all debris from the field.</li> <li>Open the furrow with of dao or dibbler or khurpee.</li> <li>Put recommended fertilizer dose and mix with soil.</li> <li>Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.</li> <li>Sow certified seeds from a reliable</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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		2118110 (111 211, 110 00 0110 110 00).
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	LUNGLEI	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation  LAWNGTLA  Damping off	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Seed treatment with thiram 3g/kg seed</li> </ul>
			or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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)



			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Colocasia	Harvesting stage	KOLASIB	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> </ul>
	MAMIT	AIZAWL	♣ One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop	1	preparation	cauliflower, broccoli and knolkhol.
	1		Raised bed, nursery bed
	1)		solarisation.  Bed should be 1m width and
		SERCHN	conventional length.
	1	V	Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
	(		Line sowing of seeds (7-10cm)
	1		✓ Irrigation must be provide to nursery
	1		every alternative days.
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
	3	Control of the State of the Sta	↓ Bed should be 1m width and
	1	000	conventional length.
	. 7	17 (~~	Application of FYM (1.5-2.0 kg/ m²)
	)	31	Line sowing of seeds (7-10cm)
	(	19 8	Irrigation must be provide to nursery
	<u> </u>		every alternative days.
		3	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g
		SAIHA	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage		♣ Variable, healthy, well mature and pure
		201	seeds should be sown.
		1111	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)



			♣ Optimum spacing for pole type 60 cm X
			30 cm.
		1	♣ Before sowing seed should be treated
	1 1	1	with Rhizobium vermicompost@10
	1.	30	t/ha.
Capsicum	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
	1	1	Bed should be 1m width and
	)	W.	conventional length.
		1 1	<ul> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> </ul>
	3		♣ Irrigation must be provide to nursery
	1		every alternative days.
	,		Seed treatment with thiram 3g/kg seed or
	MAMIT		Trichoderma viride 4g+ metalaxyl 4g
	(	1	(Apron)/ kg seed
	1	( AIZAVVL.	→ Drenching 1% Bordeaux mixture or 2 g
	1	5	captan or 3 copper oxychloride/ lt of water
Brinjal	Numa o mus a to a a		at 10-15 DAS are effective.
brilljai	Nursery stage	1 1/4	Nursery preparation for Brinjal.
	2 6		Raised bed, nursery bed solarisation.
	)		Bed should be 1m width and
	5	SERCHN	P /
	1	V~1~	conventional length.
			Application of FYM (1.5-2.0 kg/
		1	$m^2$ )
	1		Line sowing of seeds (7-10cm)
		LUNGLEI	Irrigation must be provide to nursery every alternative days.
Chilli	Nursery stage	Self (NSFlefel)	Nursery preparation for tomato.
	nuiscry stage	194	Raised bed, nursery bed
	-	17 /2	solarisation.
	)		Bed should be 1m width and
	(	19 8	conventional length.
	1		Application of FYM (1.5-2.0 kg/ m <sup>2</sup> )
		( 3)	Line sowing of seeds (7-10cm)
		1	♣ Irrigation must be provide to nursery
		LAWNGTLAN	every alternative days.
Tomato	Nursery stage	SAIHA	Nursery preparation for tomato.
	, in a		Raised bed, nursery bed solarisation.
			Bed should be 1m width and

8 | 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)



ANIMAL HUSBE	NDARY	Damping off	conventional length.  Application of FYM (1.5-2.0 kg/ m²)  Line sowing of seeds (7-10cm)  Irrigation must be provide to nursery every alternative days.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs).</li> </ul>
	1	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>♣ Provide UMB/Molases if possible in the feed</li> <li>♣ Provide 10-30 ml of vitamin B-Complex in feed</li> <li>♣ 1st injection at 6-8 weeks of age, 2nd</li> </ul>

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)



Poultry	Litter management	KOLASIB	injection after 6 months of 1st injection followed by annual vaccination under vet supervision.  ♣ Separate sick animals.  ♣ The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  ♣ Long hair near the udder/stomach/back legs should be teamed short.  ♣ Provide preventive dose of anti-coccidial drugs to poultry.  ♣ Proper ventilation of shed.  ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  ♣ Avoid overcrowding.  ♣ Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses.  ♣ Vaccination as per the schedule with proper consultation with vet.  ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.  ♣ Remove wet litter.
FISHERY	-	n Em	remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH.</li> <li>Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.</li> <li>Application of plankton inoculum from other ponds could help in development of plankton production.</li> </ul>
		1 4	10   P a g e

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

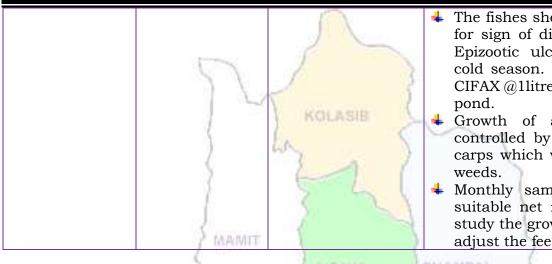


#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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





- ♣ The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @1litre/ha may be applied in the pond.
- Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds.
- ♣ Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.



11 | 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)



#### **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	(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	:	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	21	Head & Sr. Scientist	2	9436154614
KVK, Kolasib	1	Mr. Lalrosamga Khiangte	kvkkolasib@gmail.com	9436152440
	1	Head & Sr. Scientist		
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
	0.1	Head & Sr. Scientist		
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi	kvklawntlai@gmail.com	9436155858
		Head & Sr. Scientist	-1-	
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

12 | 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: Lunglei Period: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	4	0	0	0
Max Temp (°C)	29	30	30	30	30
Min Temp (°C)	20	21	20	19	19
Cloud Coverage	Partially clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	95
Min RH (%)	69	45	42	35	32
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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm C

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):19-21°C

Minimum Tem. (°C):13-15°C Maximum RH (%):85-94%

Minimum RH (%):68-87%

Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

-

Rainfall: 00.0 mm

04<sup>th</sup>November – 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 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 19-21°C ni tura beisei a ni. RH san lai berin 95-100% leh a hniam lai berin 32-69% 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: 14.0mm

**NDVI** for Mizoram

Moderately wet mildly dry/mildly wet conditions

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		- 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 ta veng meram.
	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

	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	OP		
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	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)



		0-3 rd week	+	tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	4th weeks	+	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
	MAMIT		_	coccidiostat
FISHERY	2. 10000000	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
	stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	+ 7+ 1+ 4 1	Dil a chinai hman hian tui thur tur a veng mai nilovin, tuithur avang a natna lo awm thei lak atangin sangha a veng thei.  Dil tui a fim lutuk avanga hnim lo to tur vennan leitha dilah hman thin tur a ni.  Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani.  Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani.  Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani  Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur

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)



#### **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 (Horticu <mark>lture)</mark>	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	1:	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	: (	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750
	11	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	6	
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: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/English Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	4	2	0	0	0
Max Temp (°C)	28	29	29	28	28
Min Temp (°C)	18	17	18	17	17
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	99	94	99
Min RH (%)	57	50	41	38	34
Wind Speed (KmpH)	2	2	3	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm

(430.2mm)

(301.30mm) Lunglei-370.28mm

Mamit-197.57mm

(372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Weather forecast valid from 04<sup>th</sup> November, 2017 To 08<sup>th</sup> November, 2017.

Maximum Tem. (°C):27-30°C
Minimum Tem. (°C):20-22°C
Maximum RH (%):84-95%
Minimum RH (%):68-82%
Wind Direction: Southeasterly
Cloud cover: Mainly clear
Wind speed: 2-3 km/hr

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 17-18°C. Maximum relative humidity is expected in the range of 94-100% and minimum may from 34-57%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Mainly clear will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 06.0 mm

**NDVI** for Mizoram

North East Support

19 January 1977

19

Moderately wet mildly dry/mildly wet conditions

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 MANDARIN AND ACID	Flowering to fruiting stage	KOLASIB	According to forecast and past weather record, probability of rain will be less and temperature will be high. So
LIME BANANA	}	~ (	drainage channel shall be block the channel for maintain field moisture.  4 Medium to young seedling should be support by bamboo stake.
STAR FRUIT	} MAMIT		<ul> <li>Use split dose of fertilizer for normal growth and development.</li> <li>To increase the fruit set, spray 2, 4 - D</li> </ul>
PLUM AND PEACH	1	AIZAWL.	<ul> <li>@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 - D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).</li> </ul>
	35	SERCHH	Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
		Citrus cancar	Copper- based fungicides Copper Oxy Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a barrier against infection, but they will not
	1	LUNGLEI ~	treat an existing infection.  Control minor infections limited to a small area of the tree by pruning away the affected parts.
		1901	Severely infected trees should be destroyed to prevent infecting healthy trees nearby.
		Citrus leafminor and butterfly	Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching stage when 1st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting stage		Slightly purple coloured fruits along with a small portion of stem / pedicel should be picked up.
		1 14 /	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)



		Fruit fly	<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
DI ANDADION CE	OD		initiation.
COFFEE	Fruiting stage	AIZAWL (c	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	P	SERCHNIF	<ul> <li>Replanting of new seedling</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> </ul>
	}	LUNGLEI	<ul> <li>Foliar application of Mepiquat chloride</li> <li>@ 1000 PPM concentration or 0.75%</li> <li>SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste</li> </ul>
		LAWNGTLAN	around 3 kg/16 lt water which will give effective control against drought condition.  Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		1174 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)



				channel for maintain field moisture.
			4	Use grass or straw mulch to prevent
			_	from waterloss.
		1	4	Medium to young seedling should be
	2. 1	5	_	support by bamboo stake.
		7	4	10-12 kg of well rotten organic manure
		KOLASIB	25	and 225 gm rock phosphate should be
	(		3	apply at time of planting to each pit as
	)	D. 3		basal dose application.
Strawberry	Transplanting	1 1	4	Plough the field properly.
Strawberry	stage	The same of		Make bun in the field and cover with
	Stage			black mulch to reduce water
		1		transpiration and also weed control.
	MAMIT		4	Make hole in the upper side of the bun
	( 10000000	100000	2	and mix FYM with soil properly.
	16	( ATZAWIL )	4	Apply water in every holes of the bun.
	1	1	4	Transplant young suckers in the bun.
CEREALS AND	PULSE CROPS			• •
Kharif Rice	Panicle	100	4	According to forecast and past weather
	Initiation			record, probability of rain will be less
	stage			and temperature will be high. So
		SERCHN	i =	drainage channel shall be block the
		V~		channel for maintain field moisture.
	(		+	Due to high humidity, high
				temperature and less rainfall in plan
				region of the district probability of blast
	26	A DECEMBER OF THE PERSON NAMED IN COLUMN TO		will be high. So apply Tubeconazole @ 1
		LUNGLEI	٠.	ml/10 lt of water.
	3		*	Maintain water level in the field and if
		- 5		possible one hand weeding should be done.
		Gandhi bug	4	Weed sanitation and eradication of
	1	Ganum bug	_	alternate hosts from rice fields and
		100		surrounding areas can help prevent the
	l l	1 50 4		multiplication of the Gandhi bug.
			4	Mechanical control measures such as
		A summer of the		smoking the field, hand-picking of adults
		Dies les Gallery	-41	and nymphs have also been advocated.  Stop indiscriminate use of fertilizer.
		Rice leafroller	4	Use any systemic insecticide like
				Monocrotophos 1 ml/lt of water for light
		1 = 1		damage amd 2 ml/lt of water for heavy
	1	000	W.	

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage	Sowing	Zero tillage	Clean all debris from the <i>jhum</i> field.
Greengram	1	LAIZAWL I	Open the furrow with of dao or dibbler or khurpee.
and blackgram	1	1	♣ Put recommended fertilizer dose and
bidengiam	1		mix with soil.
	1		<ul><li>♣ Place two to three seeds per pocket</li><li>with 30 cm row to row and 15 cm plant</li></ul>
	3 (	~ /	to plant distance.
Zero tillage	Germination	Zero tillage	♣ Thinning must be done where more
Soybean	stage	(~)	population was observed.
cultivation in			♣ Apply 2% urea solution for better growth.
Jhum	1		<ul> <li>Weeding and earthing up should be carried out.</li> </ul>
Zero tillage	Sowing stage	Zero tillage	♣ Due to availability of soil moisture in
Toria	3		field, land preparation should be started for toria after rice harvest. It
	7	m 820	can be grown better in loamy soils
		)(	having adequate provision of drainage.
		19 25	Clean all debris from the field.
		1 (3)	Open the furrow with of dao or dibbler or khurpee.
		1	♣ Put recommended fertilizer dose and
		LAWNGTLAN	mix with soil.
		SAIHA	♣ Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to
			plant distance.
		A S I	Sow certified seeds from a reliable
		6	

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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		blight (M-21, 15-50 and 15-50).
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	SERCHH	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of peeds (7, 10cm)</li> </ul>
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.

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)



		KOLASIB	<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Sowing stage	AIZAWL	<ul> <li>Variable, healthy, well mature and pure seeds should be sown.</li> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.</li> </ul>
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
	1	LUNGLEI ~	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage	LAWNGTLAUSAIHA	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>

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)



			every alternative days.
Chilli	Nursery stage	y //	Nursery preparation for tomato.
			♣ Raised bed, nursery bed
	( )	1	solarisation.
	1 1	E 1	♣ Bed should be 1m width and
		KOLASIB	conventional length.
	· l	11000000	♣ Application of FYM (1.5-2.0 kg/ m²)
	)	W. J	Line sowing of seeds (7-10cm)
		1 1	♣ Irrigation must be provide to nursery
	3	( Care )	every alternative days.
Tomato	Nursery stage		Nursery preparation for tomato.
	2		Raised bed, nursery bed solarisation.
	MAMIT	(	♣ Bed should be 1m width and
	5	AIZAWL	conventional length.
	1	Assessment .	<ul> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> </ul>
	)	)	↓ Irrigation must be provide to nursery
	1	3 2 6	every alternative days.
	1	Damping off	♣ Seed treatment with thiram 3g/kg seed or
	1		Trichoderma viride 4g+ metalaxyl 4g
	1)		(Apron)/ kg seed
	-	SERCHN	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	l l	V L	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		at 10 10 Bite are officerve.
Pig	All stages		4 Animals must keep in dry place or
		A SHARWARD STATE OF THE SHARWARD STATE OF TH	kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	1		animals.
	. (	F ~~	1st injection at 6 months of age and
		JE )	2nd injection at 12 months of age followed by annual vaccination under
	1		vet supervision against FMD.
	į.		Reduce concentrate diet up to 5%.
	1	) 55 7	Provide adequate potable water.
			4 In present weather conditions
		LAWNGTLAND	vaccinate against swine fever (Vaccines
		SAIHA	available in State Veterinary Departs).
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	-7
		Respiratory	(074
		1/14/	8   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)



9 | P a g e

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

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)



			RD R-2B strain.
			♣ Remove wet litter.
FISHERY	0	6	
FISHERY	Monitoring of fish in pond	AIZAWL SERCHHII	<ul> <li>Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH.</li> <li>Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.</li> <li>Application of plankton inoculum from other ponds could help in development of plankton production.</li> <li>The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @1litre/ha may be applied in the pond.</li> <li>Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds.</li> <li>Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.</li> </ul>
		LAWNGTLAL SAIHA	10   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)



#### **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	1	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
	- 00	AMIT (	

### **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	<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

CHAMPAI

11 | 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: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	4	2	0	0	0
Max Temp (°C)	28	29	29	28	28
Min Temp (°C)	18	17	18	17	17
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	99	94	99
Min RH (%)	57	50	41	38	34
Wind Speed (KmpH)	2	2	3	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm

(371.4mm)

**Mamit-197.57mm** (376.0mm) Serchhip-247.35mm (301.8mm)

Weather summary of the past

three days

04<sup>th</sup>November - 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):27-30°C Minimum Tem. (°C):20-22°C Maximum RH (%):84-95% Minimum RH (%):68-82% Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai berin 94-100% leh a hniam lai berin 34-57% 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: 06.0mm

**NDVI** for Mizoram

Rainfall: 00.0 mm

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 levi otomeo	20	♣ 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	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
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			
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.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	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
	- 1		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 ☐ In leh loa saw
	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.	1 17. in in 1 in
Rabi Maize	A chin hun	7 ( )	→ 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
		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)



4 | Page

Contract	5		<ul> <li>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.</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		Muongahang laying alu ahin na tun
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 theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	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
		75	tur ani .
Early Cole	Black spot	20 7	A than a that their nan nikhat danah tui pek thin tur ani.
crop	disease		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 yangin a hash ah thil dum rayan
			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		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	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)



Preve	entive 0-3 rd v	
meas	sures	1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani.  B complex with antibodies
10	4 <sup>th</sup> we	coccidiostat
2	4-5 <sup>th</sup> W	A CONTROL OF A
FISHERY	CAIZAV	CHAMPAI }
monit (Sar chhua	ng and toring igha ah leh awl)	<ul> <li>Dil a chinai hman hian tui thur tur a veng mai nilovin, tuithur avang a natna lo awm thei lak atangin sangha a veng thei.</li> <li>Dil tui a fim lutuk avanga hnim lo to tur vennan leitha dilah hman thin tur a ni.</li> <li>Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan plankton tamna tui dil dang atangir dahluh thin tur ani.</li> <li>Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @litre/ha (hectare khat ah litre khat pawlh a a enkawl tur ani.</li> <li>Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a common carp te hian dil hnim zung atangin a phawi thin ani</li> <li>Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani.</li> </ul>

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)



#### **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	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	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	: 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: Saiha Period: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/English Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	10	4	0	0	0
Max Temp (°C)	28	29	29	29	28
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Clear sky				
Max RH (%)	99	99	99	98	98
Min RH (%)	66	53	46	37	35
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.

 ${\bf STATUS\ STATUS\ OF\ MONSOON-\ August\ 1-31,\ 2017\ (Percent\ of\ deviation\ from\ normal\ in\ parenthesis)}$ 

Aizawl- 384.87mm Champhai- 268.78mm (430.2mm) (301.30mm)

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm (372.0mm)

(430.2mm) Lawngtlai-291.20mm (301.30mm) Lunglei-370.28mm

(371.4mm)

Mamit-197.57mm

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

Weather forecast valid from 04<sup>th</sup> November, 2017 To 08<sup>th</sup> November, 2017.

(376.0mm)

Maximum Tem. (°C):19-21°C
Minimum Tem. (°C):13-14°C
Maximum RH (%):85-95%
Minimum RH (%):66-82%
Wind Direction: Southeasterly
Cloud cover: Mainly clear
Wind speed: 2-3 km/hr

There are chances of moderate to light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 15°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 35-66%. Wind direction would be easterly with the wind speed of 4 km per hour. Partially clear will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 14.0 mm

**NDVI** for Mizoram

Hards East Regions In June 2017

| In June 2017 | In Internal | In Internal | In Internal | Interna

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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	(C)	♣ According to forecast and past weather
<b>MANDARIN</b>	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	7	1	and temperature will be high. So
LIME	)	CA.	drainage channel shall be block the
BANANA	(	1 1	channel for maintain field moisture.
DANANA	3	The same of the sa	# Medium to young seedling should be
	1		support by bamboo stake.
STAR FRUIT			<b>4</b> Use split dose of fertilizer for normal growth and development.
SIAK FKUII	MAMIT		From the first set, spray 2, 4 − D
	\$ 1111111111	AIZAWL	(a) 20 ppm during flowering stage. For
PLUM AND	1	CONTENTAL:	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	45		size).
	1		<b>♣</b> Due to high humidity, high
	1 6		temperature and less rainfall in hilly
	1)		region of the district probability of leaf
		SERCHN	
		011	Hexaconazole @ 1 ml/10 lt of water.
	\ \	Citrus cancar	Chlorida 50%/WP @ Or/It on hostoricidas
			Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a
	1		barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	3	THE PART OF THE PA	4 Control minor infections limited to a small
	- 1	22	area of the tree by pruning away the
		11 ( 2	affected parts.
			4 Severely infected trees should be destroyed
		135 6	to prevent infecting healthy trees nearby.
		Citrus leafminor	4 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		Laurenter	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAN	stage when 1st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting	( SAIRA	Slightly purple coloured fruits along
	stage		with a small portion of stem / pedicel
			should be picked up.
		6 1 1	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)



			<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
DI ANTATION OF	OD		initiation.
COFFEE	Fruiting stage	AIZAWL (c	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
	1	SERCHHIF	<ul> <li>Replanting of new seedling</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li>Foliar application of Mepiquat chloride</li> </ul>
	1	LUNGLEI	<ul> <li>@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought</li> </ul>
		LAWNGTLAN	condition.  Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		114 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)



				channel for maintain field moisture.
			4	Use grass or straw mulch to prevent
			_	from waterloss.
			4	Medium to young seedling should be
	2. 1	5	_	support by bamboo stake.
		7	4	10-12 kg of well rotten organic manure
		KOLASIB	20	and 225 gm rock phosphate should be
	(	l	3	apply at time of planting to each pit as
	)	GC )		basal dose application.
Strawberry	Transplanting		4	Plough the field properly.
	stage	San Car		Make bun in the field and cover with
	bugo			black mulch to reduce water
	2			transpiration and also weed control.
	/ MAMIT		4	Make hole in the upper side of the bun
	5	AIZAWL I	i i	and mix FYM with soil properly.
	1	Contenue:	4	Apply water in every holes of the bun.
	1	5	4	Transplant young suckers in the bun.
CEREALS AND				
Kharif Rice	Panicle		+	According to forecast and past weather
	Initiation			record, probability of rain will be less
	stage			and temperature will be high. So
		SERCHN	ΙĖ	drainage channel shall be block the
	1	V~ 1~		channel for maintain field moisture.  Due to high humidity, high
			_	Due to high humidity, high temperature and less rainfall in plan
				region of the district probability of blast
	- 1			will be high. So apply Tubeconazole @ 1
		LUNGLEI		ml/10 lt of water.
	>	H100500000	4	Maintain water level in the field and if
	5.7	200		possible one hand weeding should be
	5	n 750		done.
		Gandhi bug	+	Weed sanitation and eradication of
		1 9 8		alternate hosts from rice fields and
				surrounding areas can help prevent the multiplication of the Gandhi bug.
		1 -3	4	Mechanical control measures such as
				smoking the field, hand-picking of adults
		LAWNGTLAND		and nymphs have also been advocated.
		Rice leafroller	+	Stop indiscriminate use of fertilizer.
			*	Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light
		4	-	damage amd 2 ml/lt of water for heavy
	<u> </u>	0 1	11	damage and 2 milit of water for fleavy

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)



Rabi Maize  Sowing stage  Due to availability of soil m field, land preparation s started for rabi maize. It can in all types of soils having	
provision of drainage.  Field should be ploughed provision to expose the pupae of caterpillar.  If anyone want to sow low variety maize seeds. Seed the required to prevent from Chloropyrophos @ 1ml per kg	be grown adequate perly so as red hairy cal winter eatment is ant like of seed.
Zero tillage Sowing Zero tillage Clean all debris from the jhun	
Greengram   and   Open the furrow with of dao or khurpee.	or dibbler
blackgram	dose and
mix with soil.	
	_
to plant distance.	o ciii piaiit
Zero tillage Germination Zero tillage + Thinning must be done when the done with the done of the done	nere more
Soybean stage population was observed.  ♣ Apply 2% urea solution	for hetter
cultivation in Jhum Apply 2% urea solution growth.	ioi bettei
Weeding and earthing up carried out.	should be
Zero tillage Sowing stage Zero tillage Due to availability of soil m	
<b>Toria</b> field, land preparation s started for toria after rice 1	
can be grown better in lo	
having adequate provision of	drainage.
Clean all debris from the field	
Den the furrow with of dao or khurpee.	or dippler
<b>↓</b> Put recommended fertilizer	dose and
mix with soil.	1 , •,1
Place six to eight seeds per p 30 cm row to row and 15 cm	
plant distance.	ii piaiii to
Sow certified seeds from	a reliable

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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		,
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	SERCHH	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation  LAWNGTLA  Damping off	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g</li> </ul>

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)



			✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Colocasia	Harvesting stage	KOLASIB	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Irrigation must be provide to nursery every alternative days.</li> </ul>
Onion	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g</li> </ul>
French bean	Sowing stage	SAIHA	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.  Variable, healthy, well mature and pure seeds should be sown.  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)



	1	1	<ul> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated</li> </ul>
	5 /	1	with Rhizobium vermicompost@10 t/ha.
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
	MAMIT	AIZAWL	<ul> <li>♣ Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>♣ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/lt of water at 10-15 DAS are effective.</li> </ul>
Brinjal	Nursery stage	SERCHH	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
Chilli	Nursery stage	LAWNGTLAN	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
Tomato	Nursery stage	SAIHA	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and</li> </ul>

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)



ANIMAL HUSBE	NDARY	Damping off	conventional length.  Application of FYM (1.5-2.0 kg/ m²)  Line sowing of seeds (7-10cm)  Irrigation must be provide to nursery every alternative days.  Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed  Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs).</li> </ul>
	1	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd</li> </ul>

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)



Poultry	Litter management	KOLASIB	injection after 6 months of 1st injection followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.  Provide preventive dose of anti-coccidial drugs to poultry.  Proper ventilation of shed.  Provide glucose/electral along with vitamin supplements (@5-6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses.  Vaccination as per the schedule with proper consultation with vet.  Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.  Remove wet litter.
FISHERY	7	7	7
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH.</li> <li>Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.</li> <li>Application of plankton inoculum from other ponds could help in development of plankton production.</li> </ul>

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

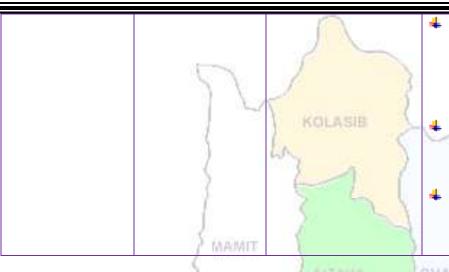


#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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





- ♣ The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @1litre/ha may be applied in the pond.
- Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds.
- ♣ Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.



11 | 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)



#### **Expert committee members:**

Dr. S.B. Singh		Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	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	1:	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	Ì	Programme Coordinator KVK Email Name and Designation		l Id Phone no/ Mobile no	
KVK Lunglei	:	Dr. Lalmuanzovi	kvkhnahthial@gmail.com	9862803750	
	14	Head & Sr. Scientist	1. 1	9436154614	
KVK, Kolasib		Mr. Lalrosamga Khiangte	kvkkolasib@gmail.com	9436152440	
	1	Head & Sr. Scientist			
KVK, Serchhip	:1	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115	
_		Head & Sr. Scientist	Jan	9615389293	
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788	
_	93	Head & Sr. Scientist			
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi	kvklawntlai@gmail.com	9436155858	
		Head & Sr. Scientist			
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509	
		Head & Sr. Scientist			
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark>	kvkmamit@gmail.com	9436147625	
	L	Head & Sr. Scientist	6		
KVK, Aizawl	:	Dr. K. <mark>P. Cha</mark> udhary	Kpchy@rediffmail.com	9436351669	
		Head & Sr. Scientist	kvkaizawl@rediffmail.com		

SAIHA

LAWNGTLAL

CHAMPAI

12 | P a g e

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)



Period: 04 November - 08 November, 2017 District: Saiha

05.11.2017

Bulletin No: - 747/2017/ Bulletin/Mizo

04.11.2017

10

3		
06.11.2017	07.11.2017	08.11.2017
0	0	0
29	29	28
4 =	4 =	4 =

Date of issue: 03rd November, 2017

		•	_	· ·	
Max Temp (°C)	28	29	29	29	28
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Clear sky				
Max RH (%)	99	99	99	98	98
Min RH (%)	66	53	46	37	35
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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)Lunglei-370.28mm

(367.7mm)**Mamit-197.57mm** 

(372.0mm)Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

04<sup>th</sup>November - 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):19-21°C Minimum Tem. (°C):13-14°C Maximum RH (%):85-95% Minimum RH (%):66-82%

Wind Direction: Southeasterly Cloud cover: Mainly clear

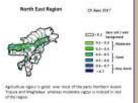
Wind speed: 2-3 km/hr

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hniam lai berin 35-66% 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: 14.0mm

**NDVI** for Mizoram

Rainfall: 00.0 mm



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			
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	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	incir our randir our voing that arm
	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	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
		hmain an thliar hrang leh vek thin ani.
	Coffee	
	bore	HIP AND
	1	♣ Hmaih neih nuaih loh tur ani.
	) 65	♣ Sneg hmaih te lakkhawma paih vek tur
		ani.
	1	♣ Seng bang zawng zawng chu uluka taka
	1 7	paih fai vek tur ani.
	. ] 22	♣ A thlai vennan a rah tlai ho chu paih vek
	S money (	tur ani.
	J' MAMIT	Hmun dam lutukah dah loh tur.
	2 AIZAI	Boruak tha taka a hmuh theih nan leh a
		rawn chawl no them han thial chu thuk
	) )	tak a hlawi tur ani.
	1	Chuan hei hian kah tur ani. Quinalphos 25
	7	EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
		In leh loa sawngbawln a a ro dan tur
		tawkah chuan: Arabica / robusta
		parchment 10 %, Arabica cherry 10.5 % leh
	1	robusta cherry 11.0 %.
	Coffee	
	7	dang te paihpaih vek tur ani.
	4	♣ Bordeaux mixture 0.5% in February -
		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	- Internation	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE		
Rabi Maize A o	chin hun	→ Vaimim chinna tur atan lei kan let
	131	phut darh anga.
	- X-	Hei hian a rawn to chhuah na tur atan
	2 7 5	a pui dawn a ni.
	1 had	♣ A chi chu kan lei leh saah chuan kan
	(	dah ang.
	V	♣ A chi chu Thiram @4 g/kg seed hian ak
	TANNET	bawiisbawi iiiiaba aiisa.
		≠ 20-25 kg/ha vel a chi thlak hi a tawk
		vel viau ani.
	V	♣ A chi tuh hma in lei leh FYM @5-10
	7 6	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
-	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)



	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>

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	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	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 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	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)



5		<ul> <li>♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>♣ Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
Preventive measures	0-3 rd week	<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>
} mem	4 <sup>th</sup> weeks	↓ Coccidiosis-       Amprolium or coccidiostat
( USS )	4-5 <sup>th</sup> Weeks	♣ Calcium tonic fortified with B <sub>12</sub>
FISHERY	( AIZAVVI.	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)		Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani.  Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani.  Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani  Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

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)



#### **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	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	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	f.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: 04 November - 08 November, 2017

Date of issue: 03rd November, 2017 Bulletin No: - 747/2017/ Bulletin/English

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	5	5	0	0	0
Max Temp (°C)	25	25	25	25	25
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	73	47	37	34	32
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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm Saiha- 216.20 mm (301.30mm)(367.7mm) Kolasib- 247.17mm (372.0mm)

(430.2mm)Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

**Mamit-197.57mm** 

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

Weather forecast valid from 04th November, 2017 To 08<sup>th</sup> November, 2017.

(376.0mm)

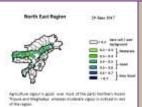
Maximum Tem. (°C):22-25°C Minimum Tem. (°C):15-17°C Maximum RH (%):84-92% Minimum RH (%):68-88% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-4 km/hr

Rainfall: 00.0 mm

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 25°C and 15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 32-73%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 10.0 mm

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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Flowering to fruiting stage	KOLASIB	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
BANANA		7	channel for maintain field moisture.  Medium to young seedling should be support by bamboo stake.  Use split dose of fertilizer for normal
STAR FRUIT	\$ MAMIT		growth and development.  To increase the fruit set, spray 2, 4 – D  20 ppm during flowering stage. For
PLUM AND PEACH	1	AIZAWL.	fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
	25	SERCHH	Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
		Citrus cancar	Copper- based fungicides Copper Oxy Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a barrier against infection, but they will not
	3	LUNGLEI ~	treat an existing infection.  Control minor infections limited to a small area of the tree by pruning away the affected parts.
		1901	Severely infected trees should be destroyed to prevent infecting healthy trees nearby.
		Citrus leafminor and butterfly	Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching stage when 1st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting stage		Slightly purple coloured fruits along with a small portion of stem / pedicel should be picked up.
		1 14 /	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)



	7	Fruit fly	<ul> <li>♣ The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>♣ The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>♣ Collect and burn all infected plant.</li> <li>♣ 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</li> </ul>
DI ANTATION OF	OD		initiation.
COFFEE	Fruiting stage	AIZAWL C	♣ According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
		SERCHNIF	<ul> <li>Replanting of new seedling</li> <li> ↓ Medium to young seedling should be support by bamboo stake.</li> <li> ↓ Replace dead plant with young seedlings.</li> <li> ↓ Fertilizer dose should be maintained.</li> <li>Fruiting stage</li> <li> ↓ Foliar application of Mepiquat chloride</li> </ul>
	1	LUNGLEI	<ul> <li>@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought</li> </ul>
		LAWNGTLAN	condition.  4 Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	♣ According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		114 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)



Strowbourse	Two months at its at	KOLASIB	+	channel for maintain field moisture. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Plough the field properly.
Strawberry  CEREALS AND	Transplanting stage	AIZAWL	+++++++++++++++++++++++++++++++++++++++	Plough the field properly.  Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.  Make hole in the upper side of the bun and mix FYM with soil properly.  Apply water in every holes of the bun.  Transplant young suckers in the bun.
Kharif Rice	Panicle Initiation stage	LUNGLEI	#	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.  Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug  LAWMGTLAI  Rice leafroller	4	Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug.  Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.  Stop indiscriminate use of fertilizer.  Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy

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)



			damage.
Rabi Maize	Sowing stage	KOLASIB	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.</li> <li>Field should be ploughed properly so as to expose the pupae of red hairy caterpillar.</li> <li>If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.</li> </ul>
Zero tillage Greengram and blackgram	Sowing	Zero tillage	<ul> <li>Clean all debris from the <i>jhum</i> field.</li> <li>Open the furrow with of dao or dibbler or khurpee.</li> <li>Put recommended fertilizer dose and mix with soil.</li> <li>Place two to three seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.</li> </ul>
Zero tillage Soybean cultivation in Jhum	Germination stage	Zero tillage	<ul> <li>Thinning must be done where more population was observed.</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding and earthing up should be carried out.</li> </ul>
Zero tillage Toria	Sowing stage	LAWNGTLAL SAIHA	<ul> <li>Due to availability of soil moisture in field, land preparation should be started for toria after rice harvest. It can be grown better in loamy soils having adequate provision of drainage.</li> <li>Clean all debris from the field.</li> <li>Open the furrow with of dao or dibbler or khurpee.</li> <li>Put recommended fertilizer dose and mix with soil.</li> <li>Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.</li> <li>Sow certified seeds from a reliable</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)



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		5 ( /
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	BERCHH	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>♣ Raised bed, nursery bed solarisation.</li> <li>♣ Bed should be 1m width and conventional length.</li> <li>♣ Application of FYM (1.5-2.0 kg/ m²)</li> <li>♣ Line sowing of seeds (7-10cm)</li> <li>✓ Irrigation must be provide to nursery every alternative days.</li> </ul>
		Poly house	♣ Raised bed, nursery bed solarisation.

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)



		KOLASIB	<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Sowing stage	AIZAWL	<ul> <li>Variable, healthy, well mature and pure seeds should be sown.</li> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.</li> </ul>
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
	1	LUNGLEI ~	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
Brinjal	Nursery stage	LAWNGTLAL	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>

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)



			every alternative days.
Chilli	Nursery stage	V /	♣ Nursery preparation for tomato.
		1	♣ Raised bed, nursery bed
	( )	1	solarisation.
	1	5	♣ Bed should be 1m width and
		KOLASIB	conventional length.
	1		♣ Application of FYM (1.5-2.0 kg/ m²)
	)	GA.	♣ Line sowing of seeds (7-10cm)
	(	2 1	♣ Irrigation must be provide to nursery
	8	Caro, La	every alternative days.
Tomato	Nursery stage	(	Nursery preparation for tomato.
	2		Raised bed, nursery bed solarisation.
	MAMIT	(	Bed should be 1m width and
	5	AIZAWL )	conventional length.  4 Application of FYM (1.5-2.0 kg/ m²)
	7	A STATE OF THE STA	Line sowing of seeds (7-10cm)
	)	) )	Irrigation must be provide to nursery
	1	3 0. (	every alternative days.
	1 /	Damping off	♣ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	1)	- Paragonia	(Apron)/ kg seed
		SERCHN	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	4		at 10-15 DAS are effective.
ANIMAL HUSBEI	NDARY		
Pig	All stages		4 Animals must keep in dry place or
		Milliones	kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	1		animals.
	7	m 8500	1st injection at 6 months of age and 2nd injection at 12 months of age
		1	followed by annual vaccination under
	()	Vij Si V	vet supervision against FMD.
			Reduce concentrate diet up to 5%.
	1	J = 3	4 Provide adequate potable water.
			♣ In present weather conditions
		LAWNGTLAL	vaccinate against swine fever (Vaccines
		SAIHA	available in State Veterinary Departs).
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	~~
		Respiratory	
		1 4	8   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)



9 | P a g e

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

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)



FISHERY  Monitoring of fish in pond  Application of lime not only helps maintaining the water pH but also a in preventing diseases associated w low pH.  Manure need to be applied in case high transparency in the water to aw growth of aquatic weeds.  Application of plankton inoculum for other ponds could help in developme of plankton production.  The fishes should be observed regular for sign of disease outbreak especial Epizootic ulcerative syndrome duriculd season. In case of EUS outbreak capacity of the pond.  Growth of aquatic weed could controlled by stocking of few common carps which would de-root the aquative weeds.  Monthly sampling using cast net suitable net needs to be continued study the growth, the health of fish a adjust the feeding rate.
Monitoring of fish in pond    Application of lime not only helps maintaining the water pH but also a in preventing diseases associated w low pH.   Manure need to be applied in case high transparency in the water to awagrowth of aquatic weeds.   Application of plankton inoculum froother ponds could help in development of plankton production.   The fishes should be observed regulated for sign of disease outbreak especiate Epizootic ulcerative syndrome duricold season. In case of EUS outbreak CIFAX @1litre/ha may be applied in the pond.   Growth of aquatic weed could controlled by stocking of few common carps which would de-root the aquate weeds.   Monthly sampling using cast net suitable net needs to be continued study the growth, the health of fish a adjust the feeding rate.
Monitoring of fish in pond  Application of lime not only helps maintaining the water pH but also a in preventing diseases associated w low pH.  Manure need to be applied in case high transparency in the water to ave growth of aquatic weeds.  Application of plankton inoculum froother ponds could help in developme of plankton production.  The fishes should be observed regulation for sign of disease outbreak especiate Epizootic ulcerative syndrome duric cold season. In case of EUS outbreak CIFAX @llitre/ha may be applied in the pond.  Growth of aquatic weed could controlled by stocking of few common carps which would de-root the aqual weeds.  Monthly sampling using cast net suitable net needs to be continued study the growth, the health of fish a adjust the feeding rate.
maintaining the water pH but also a in preventing diseases associated w low pH.  Manure need to be applied in case high transparency in the water to aw growth of aquatic weeds.  Application of plankton inoculum fro other ponds could help in developmed of plankton production.  The fishes should be observed regulated for sign of disease outbreak especial Epizootic ulcerative syndrome during cold season. In case of EUS outbreak cold season. In case of EUS outbreak cold season are applied in the pond.  Growth of aquatic weed could controlled by stocking of few common carps which would de-root the aquate weeds.  Monthly sampling using cast net suitable net needs to be continued study the growth, the health of fish a adjust the feeding rate.
LAWNGTLAUSAIHA

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	: Scientist (Agril Entomology)		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	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	:	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

11 | 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: 04 November - 08 November, 2017

Bulletin No: - 747/2017/ Bulletin/Mizo

Date of issue: 03rd November, 2017

Parameters	04.11.2017	05.11.2017	06.11.2017	07.11.2017	08.11.2017
Rainfall (mm)	5	5	0	0	0
Max Temp (°C)	25	25	25	25	25
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	73	47	37	34	32
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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

**Aizawl- 384.87mm** 

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

Serchhip-247.35mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

\_\_\_\_

04<sup>th</sup>November – 08<sup>th</sup> November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):22-25°C
Minimum Tem. (°C):15-17°C
Maximum RH (%):84-92%
Minimum RH (%):68-88%
Wind Direction: Southeasterly
Cloud cover: Mainly clear
Wind speed: 2-4 km/hr

Rainfall: 00.0 mm

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25°C a ni ang a. A vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 32-73% 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: 10.0mm

**NDVI** for Mizoram

Moderately wet mildly dry/mildly wet conditions

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	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	Y	)	7
	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	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
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	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 ☐ In leh loa saw
	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.	1 17. in in 1 in
Rabi Maize	A chin hun	7 ( )	→ 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
		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)



4 | Page

Contract	5		<ul> <li>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.</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		Muongahang laying alu ahin na tun
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 theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	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
		75	tur ani .
Early Cole	Black spot	20 7	A than a that their nan nikhat danah tui pek thin tur ani.
crop	disease		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 yangin a hash ah thil dum rayan
			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		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	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 HUSBENDARY									
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)



Preve	entive 0-3 rd v	
meas	sures	1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani.  B complex with antibodies
10	4 <sup>th</sup> we	coccidiostat
2	4-5 <sup>th</sup> W	A CONTROL OF A
FISHERY	CAIZAV	CHAMPAI }
monit (Sar chhua	ng and toring igha ah leh awl)	<ul> <li>Dil a chinai hman hian tui thur tur a veng mai nilovin, tuithur avang a natna lo awm thei lak atangin sangha a veng thei.</li> <li>Dil tui a fim lutuk avanga hnim lo to tur vennan leitha dilah hman thin tur a ni.</li> <li>Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan plankton tamna tui dil dang atangir dahluh thin tur ani.</li> <li>Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @litre/ha (hectare khat ah litre khat pawlh a a enkawl tur ani.</li> <li>Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a common carp te hian dil hnim zung atangin a phawi thin ani</li> <li>Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani.</li> </ul>

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)



#### **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	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,