

#### 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: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

		F			
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	40	42	37	42	43
Max Temp (°C)	32	33	33	34	34
Min Temp (°C)	18	18	17	18	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	100	100	100
Min RH (%)	54	55	74	66	68
Wind Speed (KmpH)	0	2	2	2	2
*Wind Direction	S-E	S-W	S-W	E	S-E

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

STATUS OF MONSOON- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 412.50mm Champhai- 105.47mm (341.8mm) (250.30mm)

Saiha- 307.78 mm (87.2mm)

Kolasib- 331.10mm (380.9mm)

Lawngtlai-291.28mm (285.5mm)

Lunglei-326.52mm (186.21mm)

Mamit-204.84mm

(442.80mm)

Serchhip-189.57mm (25.9mm)

Weather summary of the past three days

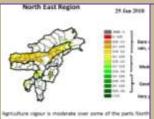
15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):22-24°C Maximum RH (%):99-100% Minimum RH (%):71-89% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.09 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-34°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 54-74% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 112.8 mm

Weekly cumulative rainfall: 204.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

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)



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	\	)	Ken tur iakan ta veng uleram.
	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
	V	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		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
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

	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	7		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	TIMMAT (		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 theil nan nikhat danah
VEGETABLE CR	OP	Y long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
1011140	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 2	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the same of the same	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum tawii

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

5 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3.3	1		an chaw eitur thlak sak thut loh tur
	1	V V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	1	W 1		a puitlingh chuan R2B vaccine pek tur
	)			ani.
	)	5 6	_	B complex with antibodies
	1	4 <sup>th</sup> weeks	4	<b>Coccidiosis-</b> Amprolium or
	8			coccidiostat
	J. Wednit	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	AIZAWIL.	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	) 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(p)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	100	AMERICAN STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		13	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1 7 7	8	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		Laurence Trans		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	)
			Pro	7
				2
		60	100	

Phone: +91 3837 220041, Fax: +91 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	: 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: Lawngtlai Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

	0.00	P	3.0		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	24	16	18	17	23
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	98	99	99	99	99
Min RH (%)	60	57	58	54	63
Wind Speed (KmpH)	2	2	2	2	2
*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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 412.50mm

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm

(341.8mm) Lawngtlai-291.28mm (250.30mm) Lunglei-326.52mm

(186.21mm)

(87.2mm) Mamit-204.84mm (380.9mm) Serchhip-189.57mm

(25.9mm)

Weather summary of the past

(285.5mm)

three days
Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):16-20°C

Maximum RH (%):98-99% Minimum RH (%):71-88%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.18 km/hr

Rainfall: 64.6 mm

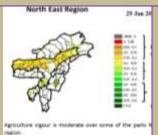
Weather forecast valid from 15<sup>th</sup>August, 2018 To 19<sup>th</sup> August, 2018.

(442.80mm)

There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 14-15°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 54-63%. Wind direction would be easterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

### Weekly cumulative rainfall: 98.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

1 | P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	(A)	field properly.
STAR FRUIT	(	2 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	1	1	in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constant 1	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~ /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
		V L	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
	5		the best time for transplant or gap
	4		filling.
		NAME OF TAXABLE PARTY.	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
	. /	500	distance depends on the variety. The
	-7		bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker, Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5)
	N.	Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		-
COFFEE	Berry	(	According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	20	maintain the drainage channel around the
	_	1141	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)



			field properly.
			Coffee should be grown as a single stem
			system. Pruning is required to:
	1. 1	S 3	<b>♣</b> Supply good healthy wood for the next
		7	season's crop;
		KOLASIB	≠ maintain the correct balance between leaf
	(		area and crop;
	)	EA.	Prevent overbearing and dieback;
		1 1	♣ Reduce biennial bearing;
	1		
	f.	3	De suckering-
	, J		<b>♣</b> De-sucker to maintain a single stem system
	MAMIT		and avoid competition from suckers
	7 1000000	1	Remove 'fly crop' fruit (early fruit which
	3.	CAIZAWL I	compete with strong plant/root
		1	development) as they appear.
	1	3	Weeding
	1	1 66	♣ Weeding or basin clearing must be
	1.7	1 3 3	done for better growth and
	16.0	~~ /	development.
Rubber	Transplanting		
Rubber	Transplanting	SERCHH	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so
Rubber		SERCHH	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	SERCHH LUNGI EI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 10-12 kg of well rotten organic
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly
	and gap filling	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.
Rubber Oil plam	and gap filling  Vegetative/	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge
	and gap filling		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so
	and gap filling  Vegetative/	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
	and gap filling  Vegetative/ Harvesting		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	apply at time of planting to each pit as basal dose application.  Provide irrigation every alternate day or use straw mulch.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND	PULSE CROPS		
Maize	Vegetative stage	LAWNGTLAL SAIHA	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Weeding and fertilizer application must be done.</li> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in field.</li> </ul>
Kharif Rice	Transplanting		+ According to forecast and past weather
	stage	201	record, probability of rain will be high
		1	410

Phone: +91 3837 220041, Fax: +91 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 | P a g e

				and temperature will be less. So soil moisture should be maintained in the
				field. Proper drainage should be
				maintained. Make channel to drain out
	2			excess water.
	1	7	4	Water level shall be maintained for
		KOLASIB		better transplant.
	1	f. S	ે 🚣	Plough the field two to three times.
	1	W )	4	According to forecast probability of rain
	>			will be moderate to high and
	1	5		temperature will be less so run off and
	1	5		proper drainage should be maintained
	3			in the field.
	J' MAMIT	1	+	Transplant 2-3 seedlings in one place
	1	Z AIZAWIL Z	ď.	for avoid gap filling.
			-	Spacing should be 20 cm row to row
	)	1	_	and 15 cm plant to plant.  Keep some seedlings in nursery or
	1	3 6 6	-	corner of the field for gap filling.
Jhum Rice	Vegetative	1 3	- 4	According to forecast probability of less
onum Ricc	stage			rain and temperature will be high, so
	stage			maintain soil moisture in the field
		SERCHH	l†	properly.
	}		4	Earthing up soil for better growth and
				stability in root zone.
	1	0.0	+	Use split dose of any nitrogenous
				fertilizer for better growth.
Kharif pulses	<b>Vegetative</b>	LUNGLEI	+	According to forecast probability of
(Green gram, Black gram and	stage		y.	huge rain and temperature will be low, so maintain the drainage channel
Rajma)		500	1	around the field properly.
Kajinaj		1	4	Earthing up soil for better growth and
		P \		stability in root zone.
		7 ( )	4	Apply ay contact insecticide to reduce
		1 60 4	- (	the damage of Blister beetle.
VEGETABLE CRO	)P			
Ginger and	Vegetative	LAWNGTLAN	4	According to forecast probability of less
turmeric	stage	SAIHA		rain and temperature will be high, so
				maintain soil moisture in the field
			ei.	properly.
		2 5	*	Earthing up soil for better growth and
		1 1		5 LD

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			stability in root zone.  ↓ Use split dose of any nitrogenous fertilizer for better growth.  ↓ Apply Ridomil @ 2 g/lt of water to
	7.1	1	reduce stem root infection.
Cucurbitaceo us crop	Harvesting stage	KOLASIB	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	{		properly.  Harvest all the produces and keep seed for next season
		1	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	MAMIT	AIZAWL	suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
	)	3	initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to	1 20	♣ According to forecast probability of
	flowering		less rain and temperature will be high, so maintain soil moisture in the field
	stage		nroner1v
		SERCHN	Harvest all the produces and keep
	1	V La	seed for next season
		4	♣ In large gardens apply carbaryl 0.2 per
	1		cent or malathion 0.15 per cent
		AMERICAN STREET	suspension containing sugar or
		LUNGLEI	jeggery at 10 g/l at fortnightly intervals at flowering and fruit
	1		initiation against fruit fly and
		w 800	pumpkin beetle.
	)	Fruit fly	In large gardens apply carbaryl 0.2 per cent
		( 6 20)	or malathion 0.15 per cent suspension
		(44	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	la a marana a colla	♣ According to forecast probability of less
	stage	LAWNGTLAN	rain and temperature will be high, so
		SAIHA	
			properly.  Larthing up soil for better growth and
		201	stability in root zone.
		1/1/	6   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	Vegetative stage Vegetative stage	KOLASIB	fertilizer for better growth.  According to forecast probability of les rain and temperature will be high, s maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.  Apply use split dose of any nitrogenous fertilizer for better growth.  According to forecast probability of les rain and temperature will be high, s maintain soil moisture in the field properly.  Earthing up soil for better growth and
	2	AIZAWL	maintain soil moisture in the field properly.  Larthing up soil for better growth and
ANIMAL HUSBENDA	ARY	3	stability in root zone.  4 Apply use split dose of any nitrogenou fertilizer for better growth.
	All stages	LUNGLEI	animals.  1st injection at 6 months of age and 2nd injection at 12 months of ag followed by annual vaccination under vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather condition vaccinate against swine fever (Vaccine available in State Veterinary Departs)
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle Al	ll age group	LAWNGTLAL	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 the control of the

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)



			antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		1	feed
	1	1	♣ Provide 10-30 ml of vitamin B-Complex in feed
	1 1	( )	■ 1st injection at 6-8 weeks of age, 2nd
		KOLASIB	injection after 6 months of 1st injection
	1	F. S	followed by annual vaccination under
	1	" )	vet supervision.
	7		Separate sick animals.
	/	7	The animal should be washed with lukewarm water added with little
			potash (KMnO4) or neem leaves.
	MAMIT		Long hair near the
	4	107000	udder/stomach/back legs should be
	35	( AIZAWL.	teamed short.
Poultry	All age group	1	♣ Provide preventive dose of anti-coccidial
	1	3 22	drugs to poultry.
			<ul><li>Proper ventilation of shed.</li><li>Provide glucose/electral along with</li></ul>
	1		vitamin supplements (@5- 6ml/100
		SERCHN	birds) with adequate potable water
		SERUMN	4 Avoid overcrowding.
	(		♣ Provide broad-spectrum antihelminthic
		-	drugs under vet supervision and
	J		recommended doses.  Vaccination as per the schedule with
	1	LUNGLEI	proper consultation with vet.
	-	CONGCE	Day old chick: HVT Marek disease
		200	vaccine, 4-7 days: ¬F/Lasota, 14-18
		W ( >>	days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
	1	100	fowl pox vaccine and 56-70 days:
	1	1 63 4	RD R-2B strain.
			Remove wet litter.
FISHERY		LAWNGTLAL	
	Monitoring of	# SAIHA	♣ Care should be taken that fish are fed
	fish in pond	1	with feed that are free from fungus. If
			the fungal growth is observed in fish feed, the feed needs to be sundried for
		P 10 1	
		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)



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



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

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.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	:	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	
- W	- 100	AUMIT I		

### **Collaborating Department:**

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

SAIHA

LAWNGTLAL

CHAMPAI

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)



District: Lawngtlai Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	24	16	18	17	23
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	98	99	99	99	99
Min RH (%)	60	57	58	54	63
Wind Speed (KmpH)	2	2	2	2	2
*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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 105.47mm Aizawl- 412.50mm (341.8mm)(250.30mm)

Saiha- 307.78 mm (87.2mm)

Kolasib- 331.10mm (380.9mm)

Lawngtlai-291.28mm (285.5mm) Lunglei-326.52mm (186.21mm) Mamit-204.84mm

Serchhip-189.57mm (25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):16-20°C Maximum RH (%):98-99%

Minimum RH (%):71-88%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.18 km/hr

Rainfall: 64.6 mm

### 15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

(442.80mm)

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hnjam laj berin 54-63% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 98.0mm

**NDVI** for Mizoram

Moderately wet mildly dry/mildly wet conditions

Date of issue: 14th August, 2018

1 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A Irvi otomeo	_0 E	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V comment of	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	)	GA N	4 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 te thlawhfai thin tur ani.
STAR FRUIT	2		♣ A seng hma kar 6 chhung chu tui tha
Jim i Koii	J' MAMIT	( )	taka pek hian a rah tla tur chelh nan
	5	LAIZAWL I	leh a rah than that nan te leh a rah
PLUM AND	1	Annual Control	keh tur lakah t a veng thei ani.
PEACH		)	
	1	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	15	greening and Dieback	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.

2 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
		thin a ni.
		♣ A rah hmin tha lo ho chu nuai sawm
7	1 2	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	borer	ani.
1	Doron Boron	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
4	1 1	ani.
¥.	1	♣ Seng bang zawng zawng chu uluka taka
T.	3	paih fai vek tur ani.
	27	♣ A thlai vennan a rah tlai ho chu paih vek
3 000	ACT.	tur ani.
J' MAI	M 1	Hmun dam lutukah dah loh tur.
7	LAIZAWL I	Boruak tha taka a hmuh theih nan leh a
1		rawn chawr no theih nan thlai chu uluk
1	)	tak a hlawi tur ani.
1		<ul> <li>♣ Chuan hei hian kah tur ani. Quinalphos 25</li> <li>EC @ 340 ml/200 lit emaw lamda</li> </ul>
7		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
- 0		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCH	
	( SERONI	robusta cherry 11.0 %.
V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
4	(3)	♣ Bordeaux mixture 0.5% in February -
1		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	The state of the s	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		
Rabi Maize A chin hui	7 2 2	Vaimim chinna tur atan lei kan let
		phut darh anga.
		Hei hian a rawn to chhuah na tur atan
	1 1	a pui dawn a ni.
	1 6 4	4 A chi chu kan lei leh saah chuan kan
	(	dah ang.
	1	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	) SAIH	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
	176	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
	1/1/	3   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	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	<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
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	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
į į	5	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Prev	entive 0-3 rd	week +	Ranikhet Disease- an pian atanga ni
	asures		1-6 ah F1 vaccine pek tur ani a, chuan
11100		- 3	a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	}	1	ani.
	5	4	B complex with antibodies
	4 <sup>th</sup> we	eeks 📥	Coccidiosis- Amprolium or
	l		coccidiostat
	4-5 <sup>th</sup> W	eeks +	Calcium tonic fortified with B <sub>12</sub>
FISHERY	AVZAV	vi (CH	AMPAI:
	oring	4	Sangha te hi chaw a hmuar kai lo
Monito		1	chauh pek thin tur ani. Sangha chaw a
(Sangh		a l	lo hmuar anih chuan pek hma in ni sa
enkaw	(1)		a phoro phawt tur ani.
		<b>y</b>	Sangha chaw hi a hmuar lohna turin
	11		hmun ro leh uap lutuk lo ah dahthat
		SERCHNIP	tur ani a, hmuar atang a tur lo inseam
	V	Torrest Contract Cont	thin, aflatoxin avang a sangha thi lak
	\ \ \		atangin sangha a him phah thin.
		4	Dil sah kang veka sangha man thin
	1	-	hian a kumleh a sangha khawinan a dil
	LUNGLEI		buatsaih a ti awlsam a, dil mawng
	- maritaness	T T	phoro, chinai phul, leitha hman leh tul
		en I	dang in dil buatsaih tur ani.
	71 17	( ~ ·	Sangha te natna lak atangin an him em
		1 1	tih enfiah fo a tha a, natna hmuh anih
	1 19 2		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
		3	A ranglam a chinai @50kg/ha leh
	1 -3	4	tuisen @1.5mg/l diltui a hman hian
			sangha natna avang a thi tur lak
	LAWNGT	AL	atangin a veng thei.
		SAIHA	www.gar a rong tiron
		1	-J
		1	2
	1 h	1	

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

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

8 | Page

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



### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Lunglei Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

	1. 1	P	(		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	24	17	23	24	32
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	18	18	19	18	18
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	100	100
Min RH (%)	63	57	57	53	62
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	E	E	E	S-E

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

#### STATUS OF MONSOON- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Saiha- 307.78 mm **Aizawl- 412.50mm** Champhai- 105.47mm Kolasib- 331.10mm (341.8mm)(250.30mm)(87.2mm)(380.9mm)Mamit-204.84mm Lawngtlai-291.28mm Lunglei-326.52mm Serchhip-189.57mm (285.5mm)(186.21mm)(442.80 mm)(25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):14-16°C

Maximum RH (%):97-99% Minimum RH (%):71-89%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.12 km/hr

Rainfall: 74.1 mm

Weather forecast valid from 15th August, 2018 To 19th August, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 18-19°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 53-63%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

### Weekly cumulative rainfall: 120.0 mm

**NDVI** for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

1 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Ŭ	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	CA.	field properly.
STAR FRUIT	(	2 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	1	1	in secondary bed or polythene bags at 4-
PEACH	MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constant !	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~~ / / / / / / / / / / / / / / / / / /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	l l	V L	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
	1		the best time for transplant or gap
	4		filling.
			♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		55%	distance depends on the variety. The
	-7	4	bigger the fruit, the farther the distance.
	9	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
	N.	Citrus greening, Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>♣ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	126	maintain the drainage channel around the
		1111	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)



			field properly.
			♣ Coffee should be grown as a single stem
	The second second		system. Pruning is required to:
		/	<b>♣</b> Supply good healthy wood for the next
	3 1	21	season's crop;
	1	V parameter (	<b>4</b> maintain the correct balance between leaf
	1	KOLASIB	area and crop;
	1	LA	♣ Prevent overbearing and dieback;
	/	77 6 2	♣ Reduce biennial bearing;
	7		♣ Maintain good tree shape.
	1	2	De suckering-
			♣ De-sucker to maintain a single stem system
	MAMIT		and avoid competition from suckers
	J. Internet	\	Remove 'fly crop' fruit (early fruit which
	7.	Z AYZAVVIL.	compete with strong plant/root
	1	2	development) as they appear.
	1	( )	Weeding
	1	2 86	♣ Weeding or basin clearing must be
	1	1 3 4	done for better growth and
	1	- Y	development.
Rubber	Transplanting	SEDERIN	According to forecast probability of huge
Rubber	Transplanting and gap	SERCHN	According to forecast probability of huge rainfall and temperature will be low, so
Rubber	_	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.
	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.
Rubber Oil plam	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge
	and gap filling	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so
	and gap filling  Vegetative/	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

3 | 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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	<ul> <li>apply at time of planting to each pit as basal dose application.</li> <li>Provide irrigation every alternate day or use straw mulch.</li> <li>Basin clearing of all plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>
CEREALS AND I		STATE OF THE STATE	
Maize	Vegetative stage	A S	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Weeding and fertilizer application must be done.</li> </ul>
		LAWNGTLAL	Probability of stem borer infestation will be high. Spray any systemic insecticide.  Use rat trap to reduce rat damage in field.
Kharif Rice	Transplanting stage		<ul> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in</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 | Page

Jhum Rice	Vegetative	KOLASIB	+++	and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Water level shall be maintained for better transplant.  Plough the field two to three times.  According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.  Transplant 2-3 seedlings in one place for avoid gap filling.  Spacing should be 20 cm row to row and 15 cm plant to plant.  Keep some seedlings in nursery or corner of the field for gap filling.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
			4	properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Vegetative stage	LUNGLEI	1	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Earthing up soil for better growth and stability in root zone.  Apply ay contact insecticide to reduce the damage of Blister beetle.
VEGETABLE CRO				
Ginger and turmeric	Vegetative stage	LAWNGTLAUSAIHA		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and
		pd [7]	(1)	Latting up son for better growth and

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Cucurbitaceo us crop  Harvesting stage  Harvest all the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathino 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Chilli  Vegetative to flowering stage  SERCH  Fruit fly  Fruit fly  Fruit fly  Cowpea  Vegetative stage  Vegetative stage  Vegetative stage  Vegetative stage  Vegetative stage  LACCORDING TO SPER CENT STATE			1	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
less rain and temperature will be high, so maintain soil moisture in the field properly.		57	1	♣ Apply Ridomil @ 2 g/lt of water to
stage    Stage	Cucurbitaceo	Harvesting	Vou sein	- Income and the income producting of
Properly.	us crop	stage	RULHOID	
# Harvest all the produces and keep seed for next season In large gardens apply carbaryl 0.2 per cent or malathin 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Chilli  Chilli  Vegetative to flowering stage  Chilli  Fruit fly  Fruit fly  Fruit fly  Vegetative to flowering stage  Fruit fly  Fruit fly  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Harvest all the produces and keep seed for next season In large gardens apply carbaryl 0.2 per cent or malathin 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Vegetative stage  Vegetative stage  Vegetative stage  Fruit fly		)	LA J	
seed for next season In large gardens apply carbaryl 0.2 per cent or malathinon 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Chilli Vegetative to flowering stage  Chilli In large gardens apply carbaryl 0.2 per cent or malathino 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly In large gardens apply carbaryl 0.2 per cent or malathino 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly In large gardens apply carbaryl 0.2 per cent or malathino 0.15 per cent or malathino 0.15 per cent or malathino fruit fly and pumpkin beetle.  Fruit fly According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		(	2 1	
In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.    Chilli   Vegetative to flowering stage		5	Secret Land	
Suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Chilli  Vegetative to flowering stage  SERCHI  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Harvest all the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  Vegetative stage  Vegetative stage  Vegetative stage  Lance of the work of the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  Lance of the work of the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  Lance of the produces and keep seed for next season  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		1	5	♣ In large gardens apply carbaryl 0.2 per
Chilli   Vegetative to flowering stage		2		
Chilli  Vegetative to flowering stage  Chilli  Chilli  Vegetative to flowering stage  Chilli  Vegetative to flowering stage  Fruit fly  Cowpea  Vegetative to flowering stage  Fruit fly  Cowpea  Vegetative to flowering stage  Fruit fly  Cowpea  Vegetative stage  Cowpea  Vegetative to flowering stage  Fruit fly  Cowpea  Cowpea		/ MAMIT	1	
Chilli  Vegetative to flowering stage  **According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Harvest all the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  Vegetative stage  Vegetative stage  **According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  **Earthing up soil for better growth and stability in root zone.		1	Z AIZAWL	
Chilli  Vegetative to flowering stage  Fruit fly  Cowpea  Vegetative to flowering stage  Pumpkin beetle.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Harvest all the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Vegetative stage  Vegetative stage  Vegetative stage  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Lance of the containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin b		1	7	
Chilli Vegetative to flowering stage  **According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Harvest all the produces and keep seed for next season  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  Vegetative stage  Vegetative stage  **According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  **Earthing up soil for better growth and stability in root zone.		1	3	
less rain and temperature will be high, so maintain soil moisture in the field properly.	Chilli	Vegetative to	121	♣ According to forecast probability of
stage  so maintain soil moisture in the field properly.  Harvest all the produces and keep seed for next season In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  Fruit fly  Vegetative stage  Vegetative  Stage  Vegetative stage  Lambda According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.				
Harvest all the produces and keep seed for next season In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.		17 170		
Seed for next season			SERCHN	
In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  Fruit fly  Fruit fly  Vegetative stage  Vegetative  SAIM  Faccording to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		1	V	
cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		1		
suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  Fruit fly  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		4		
intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.  Fruit fly  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		- 1		
initiation against fruit fly and pumpkin beetle.  Fruit fly  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.			LUNGLEI	
pumpkin beetle.  Fruit fly  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		3	The second secon	
Fruit fly  In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  Laccording to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.			500	J J
or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.			Fruit fly	
Cowpea  Vegetative stage  Lambda Stage  Fortnightly intervals at flowering and fruit initiation.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		1		or malathion 0.15 per cent suspension
Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		į.		
Cowpea  Vegetative stage  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		ľ	1 55 7	
stage  rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.	Cowpea	Vegetative	1	
maintain soil moisture in the field properly.  Earthing up soil for better growth and stability in root zone.		_		rain and temperature will be high, so
Earthing up soil for better growth and stability in root zone.			SAIHA	
stability in root zone.				
			1 = 1	
ZID			6 / V	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)



			♣ Apply use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage  Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field</li> </ul>
	MAMIT	AIZAWL	<ul> <li>properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
ANIMAL HUSBE			
Pig	All stages	LUNGLEI	animals.  1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAUSAIHA	♣ 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
			7 I P a g e

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)



			antibiotics for five days is advised.  ♣ Provide UMB/Molases if possible in the
	1		feed
	7. 1	1 3	♣ Provide 10-30 ml of vitamin B-Complex in feed
	1	7	<sup>4</sup> 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
		KOLASIB	injection after 6 months of 1st injection
	1	En S	followed by annual vaccination under
	1	7	vet supervision.
	7		Separate sick animals.
	1	3	The animal should be washed with lukewarm water added with little
			potash (KMnO4) or neem leaves.
	MADNIT		Long hair near the
	\$	0.7000	udder/stomach/back legs should be
	- 1	( AIZAWIL )	teamed short.
Poultry	All age group	1	Provide preventive dose of anti-coccidial
	1	3 6 6	drugs to poultry.  4 Proper ventilation of shed.
	1	1	+ Provide glucose/electral along with
	1		vitamin supplements (@5- 6ml/100
		SERCHN	birds) with adequate potable water
		SERGIN	4 Avoid overcrowding.
			Provide broad-spectrum antihelminthic
			drugs under vet supervision and recommended doses.
	15		Vaccination as per the schedule with
	1	LUNGLEI	proper consultation with vet.
		EUNGER!	Day old chick: HVT Marek disease
	1	200	vaccine, 4-7 days: F/Lasota, 14-18
		W ( ~	days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
		155 6	weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days:
	1	( F3 A	RD R-2B strain.
		1	Remove wet litter.
FISHERY		LAWNGTLAN	~ \( \)
	Monitoring of		♣ Care should be taken that fish are fed
	fish in pond	1	with feed that are free from fungus. If
		1	the fungal growth is observed in fish
		6 1	feed, the feed needs to be sundried for
		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)



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



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

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.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	:	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
- W	- 100	AUMIT I	

### **Collaborating Department:**

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

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)



District: Lunglei Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

	0.000	P	3.0		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	24	17	23	24	32
Max Temp (°C)	32	32	33	33	33
Min Temp (°C)	18	18	19	18	18
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	100	100
Min RH (%)	63	57	57	53	62
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	E	E	E	S-E

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

STATUS OF MONSOON- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

**Aizawl- 412.50mm** 

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm (380.9mm)

(341.8mm) Lawngtlai-291.28mm (250.30mm) Lunglei-326.52mm (87.2mm) Mamit-204.84mm

Serchhip-189.57mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-27°C
Minimum Tem. (°C):14-16°C
Maximum RH (%):97-99%
Minimum RH (%):71-89%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.12 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 53-63% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 74.1 mm

Weekly cumulative rainfall: 120.0mm

**NDVI** for Mizoram

North East Region 29 fac 3018

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

1 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		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
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
		2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	f., (	
	)	60°y	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.  Hmun dam lutukah dah loh tur.
	7. 10.55		Boruak tha taka a hmuh theih nan leh a
	3.	Z ATZAVVL	rawn chawr no theih nan thlai chu uluk
	1	2	tak a hlawi tur ani.
	1		4 Chuan hei hian kah tur ani. Quinalphos 25
	16	3 64 6	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		0 00 00	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,
	The same of the sa	AVIEWS THE	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	- E	🖊 Vaimim chinna tur atan lei kan let
		17	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(	dah ang.
		land and the second	♣ 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 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIV	3   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

4 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
57	1	ani.  Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga ni
measures	V O WOOM	1-6 ah F1 vaccine pek tur ani a, chuan
measures	wy )	a puitlingh chuan R <sub>2</sub> B vaccine pek tur
S	2 1	ani.
3		B complex with antibodies
	4th weeks	<b>Coccidiosis</b> - Amprolium or
J	, weeks	coccidiostat
7 MAMIT	4-5 <sup>th</sup> Weeks	<b>♣</b> Calcium tonic fortified with B <sub>12</sub>
DIOLIDDY	T-0 WCCRS	+ Calcium tome fortified with B <sub>12</sub>
FISHERY	CONTENTAL:	GRANUTSI
Monitoring	5	Sangha te hi chaw a hmuar kai lo
(Sangha	1	chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa
() e		a phoro phawt tur ani.
1		♣ Sangha chaw hi a hmuar lohna turin
	SERCH	hmun ro leh uap lutuk lo ah dahthat
	(~)	tur am a, ninuar atang a tur 10 mseam
V		thin, aflatoxin avang a sangha thi lak
		atangin sangha a him phah thin.
	(3)	♣ Dil sah kang veka sangha man thin
12		hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
3	1	phoro, chinai phul, leitha hman leh tul
(1)	Conc.	dang in dil buatsaih tur ani.
	111	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	( by Se )	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani.
	-5	A ranglam a chinai @50kg/ha leh
		tuisen @1.5mg/l diltui a hman hian
	LAWNGTLAN	sangha natna avang a thi tur lak atangin a veng thei.
	SAIH	
		and I
	20	

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

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

#### **Collaborating Department:**

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

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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



#### 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: 15 August – 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

Date of issue: 14th August, 2018

Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	11	13	17	13	24
Max Temp (°C)	34	33	34	34	34
Min Temp (°C)	18	17	18	19	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	99	100	100
Min RH (%)	53	50	68	57	57
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S	S	S	S-E	S

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 412.50mm Champhai- 105.47mm Saiha- 30 (341.8mm) (250.30mm)

Saiha- 307.78 mm K (87.2mm)

(442.80mm)

Kolasib- 331.10mm (380.9mm)

Lawngtlai-291.28mm

Lunglei-326.52mm

(186.21mm)

Mamit-204.84mm

Serchhip-189.57mm (25.9mm)

Weather summary of the past three days

(285.5mm)

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-20°C Maximum RH (%):98-100%

Minimum RH (%):66-87%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.29 km/hr

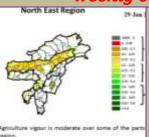
Rainfall: 102.5 mm

Weather forecast valid from 15<sup>th</sup>August, 2018 To 19<sup>th</sup> August, 2018.

There are chances of moderate rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 33-34°C and 17-19°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 57-68%. Wind direction would be southerly to southeasterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 78.0 mm

**NDVI for Mizoram** 



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	)	W )	field properly.
STAR FRUIT	(	2 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	/ MAMIT	(	6 leaf stages. Water must b provide
1 DACII	5	AIZAWL	every alternate days.
	1	Annext the	♣ Potting mixture of soil, sand and FYM or
	Y	)	compost should be in proper ratio.
	1	1 6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
			→ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	<ul><li>avoided.</li><li>♣ In the citrus belt, trees can be planted</li></ul>
	1	M. Lan	at any time; however, pre-monsoon is
		5	the best time for transplant or gap
	1	(3)	filling.
		United Services	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		- 5	distance depends on the variety. The
		Gummaaia	bigger the fruit, the farther the distance. <b>Lamon butterfly-</b> Spray monocrotophos
	1	Gummosis, citrus Canker,	@0.04% @1.2 ml/lt of water.
	į	Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
	n n	Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>♣ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry	1	According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	N 12 12	maintain the drainage channel around the
		1 4 6	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)



			field properly.
			Coffee should be grown as a single stem
			system. Pruning is required to:
	1. 1	8	♣ Supply good healthy wood for the next
		( )	season's crop;
	1 2	KOLASIB	maintain the correct balance between leaf
	(		area and crop;
	)	GP )	♣ Prevent overbearing and dieback;
	S		Reduce biennial bearing;
	3	San Land	♣ Maintain good tree shape.
			De suckering-
	2		♣ De-sucker to maintain a single stem system
	MAMIT	(	and avoid competition from suckers
	5	AIZAWL I	Remove 'fly crop' fruit (early fruit which
	1	Assessment .	compete with strong plant/root
	1	<i>Y</i>	development) as they appear.
	160	8 6 7	Weeding
	- /		<ul><li>Weeding or basin clearing must be done for better growth and</li></ul>
	1	~ Y	done for better growth and development.
Ruhher	Transplanting		
Rubber	Transplanting	SERCHN	According to forecast probability of huge
Rubber	and gap	SERCHN	According to forecast probability of huge rainfall and temperature will be low, so
Rubber		SERCHH	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic
Rubber	and gap	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
Rubber	and gap	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
Rubber	and gap	my	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant
Rubber	and gap	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly
	and gap filling	M	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Rubber Oil plam	and gap filling  Vegetative/	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge
	and gap filling  Vegetative/	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure
	and gap filling  Vegetative/ Harvesting	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

3 | 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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	apply at time of planting to each pit as basal dose application.  Provide irrigation every alternate day or use straw mulch.  Basin clearing of all plant.  Rain cap can use for tapping plant.  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND I		TO APPLICATION OF THE PARTY OF	1 A 1
Maize	Vegetative stage		According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
		LAWNGTLAL	<ul> <li>Weeding and fertilizer application must be done.</li> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in field.</li> </ul>
Kharif Rice	Transplanting stage		must be done.  Probability of stem borer infestation will be high. Spray any systemic insecticide.  Use rat trap to reduce rat damage in

Phone: +91 3837 220041, Fax: +91 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 | Page

Jhum Rice	Vegetative	KOLASIB	+ + + +	and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Water level shall be maintained for better transplant.  Plough the field two to three times.  According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.  Transplant 2-3 seedlings in one place for avoid gap filling.  Spacing should be 20 cm row to row and 15 cm plant to plant.  Keep some seedlings in nursery or corner of the field for gap filling.  According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.  Earthing up soil for better growth and
	1		+	stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses	Vegetative	LUNGLEI	+	According to forecast probability of
(Green gram, Black gram and	stage		1	huge rain and temperature will be low, so maintain the drainage channel
Rajma)		in Em	-	around the field properly.
			4	Earthing up soil for better growth and
		( 19 20 )		stability in root zone.
			+	Apply ay contact insecticide to reduce
TID COMMANDE STATE		) 55	- 3	the damage of Blister beetle.
VEGETABLE CRO			-1-	A 1' . C . 1 1 11'. C1
Ginger and	Vegetative	LAWNGTLAND	-	According to forecast probability of less rain and temperature will be high, so
turmeric	stage	# SAIHA		maintain soil moisture in the field
				properly.
		1	4	Earthing up soil for better growth and
		6 6		

Phone: +91 3837 220041, Fax: +91 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	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
	57		♣ Apply Ridomil @ 2 g/lt of water to reduce stem root infection.
Cucurbitaceo	Harvesting	KOLASIB	♣ According to forecast probability of
us crop	stage	NULHOID	less rain and temperature will be high,
	)	an I	so maintain soil moisture in the field
	(	1 1	properly.  Harvest all the produces and keep
	3	The same of the sa	seed for next season
	- 1		In large gardens apply carbaryl 0.2 per
		/	cent or malathion 0.15 per cent
	MAINIT		suspension containing sugar or
	5	AIZAWL	jeggery at 10 g/l at fortnightly
	1	Assessment .	intervals at flowering and fruit
	Y	1	initiation against fruit fly and
Chilli	Vogototiro to		pumpkin beetle.  4 According to forecast probability of
Chin	Vegetative to flowering	1 3 3	less rain and temperature will be high,
	stage		so maintain soil moisture in the field
	stage	SERCHN	nronorly
		SERONN	Harvest all the produces and keep
	(		seed for next season
			In large gardens apply carbaryl 0.2 per
	(3)		cent or malathion 0.15 per cent suspension containing sugar or
	1	LUNGLEI	jeggery at 10 g/l at fortnightly
	3	LUNGER	intervals at flowering and fruit
		2700	initiation against fruit fly and
	5	n 700	pumpkin beetle.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		9 20	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
			fortnightly intervals at flowering and fruit
_		( 3	initiation.
Cowpea	Vegetative	LAWNGTLAN	♣ According to forecast probability of less
	stage	SAIHA	rain and temperature will be high, so maintain soil moisture in the field
		( SAITH	properly.
			Earthing up soil for better growth and
		m 12 m	stability in root zone.
		114	6   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Apply use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
ANIMAL HUSBE			
Pig	All stages	LUNGLEI	animals.  1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAN	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
		VIV	7   P a g e

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)



Poultry  All age group  All age grou				antibiotics for five days is advised.
Poultry  All age group  Poultry  All age group  All				♣ Provide UMB/Molases if possible in the
Poultry  All age group  Poultry  All age group  All			1	
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.		1	1	
injection after 6 months of 1st injection followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed 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 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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  All age group  All age group  Care should be taken that fish are fed with fungal growth is observed in fish feed, the feed needs to be sundried for		1 2	7	
followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed 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 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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	KOLASIB	
Poultry  All age group  Poultry  All age group  All age group  All age group  All age group  Provide preventive dose of anti-coccidial drugs to poultry. 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 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. Remove wet litter.  Prishery  Monitoring of fish in pond  All age group  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	(A)	
Poultry  All age group  Poultry  All age group  All age group  All age group  All age group  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 provides glucose/electral and gwith vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide provides provided by the 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: RDR-2B strain.  Remove wet litter.  FISHERY  Monitoring of fish in pond  * Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	" 1	-
Lung hair near the udder/stomach/back legs should be teamed short.		7		
Poultry  All age group  All age group  All age group  All age group  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 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 fow pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.  FISHERY  Auli age group  All age		/	7	
Poultry  All age group  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 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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		- J		
Poultry  All age group  All age group  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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		MAMIT		= ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
Poultry  All age group  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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		\$	107000	
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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for	_	- N	Contention:	
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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for	Poultry	All age group	1	-
# Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  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.  Remove wet litter.  **FISHERY**  Monitoring of fish in pond**  Monitoring of fish in pond**  **Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	3 66	9 1
vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  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.  Remove wet litter.  FISHERY  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	1 3 0	
Avoid overcrowding.  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.  Remove wet litter.  FISHERY  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
Avoid overcrowding.  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.  Remove wet litter.  FISHERY  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			SERCHH	
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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			\~	
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  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for				
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   Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
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.  **Monitoring of fish in pond**  **Monitoring of fish in pond**  **Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
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.  ■ Monitoring of fish in pond  ■ Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			LUNGLEI	_
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  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		3		7
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  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			500	· · · · · · · · · · · · · · · · · · ·
weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.  Remove wet litter.  **  **  **  **  **  **  **  **  **		. 7	11	
fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for				
FISHERY  Monitoring of fish in pond  Monitoring of fish in pond  Monitoring of fish in pond  Fighthar in pon				
FISHERY  Monitoring of fish in pond  **Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		l l	J = 4 1	
Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for	DIGITERY			Remove wet litter.
fish in pond  with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for	FISHERY	35 11 1	Annual State of the State of th	
the fungal growth is observed in fish feed, the feed needs to be sundried for		_	# SAIHA	
feed, the feed needs to be sundried for		iisn in pond		
Q I D a g a			1 2 1	
		·	6 1 1 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)



few days prior to feeding. **♣** Fish feed should be stored in cool and dry place to av fungal growth that releases aflatoxin which could lead to mortality of fish. KOLASIB ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom. applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if MAMIT disease is observed, consult expert immediately and water sample needs to be analyzed. ♣ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA SAIHA 9 | Page

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



#### CAR RESEARCH COMPLEX FOR NEH REGION

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



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

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.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
	- 100	AUVIT (	

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no	
KVK Lunglei	:	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614	
KVK, Kolasib	K	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440	
KVK, Serchhip	1	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

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)



District: Mamit Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

	- A	F.	(		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	11	13	17	13	24
Max Temp (°C)	34	33	34	34	34
Min Temp (°C)	18	17	18	19	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	99	100	100
Min RH (%)	53	50	68	57	57
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S	S	S	S-E	S

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 412.50mm Cha

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm (380.9mm)

(341.8mm) Lawngtlai-291.28mm (250.30mm) Lunglei-326.52mm (87.2mm) Mamit-204.84mm

Serchhip-189.57mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-20°C

Maximum RH (%):98-100%

Minimum RH (%):66-87%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.29 km/hr

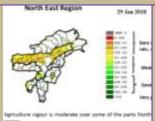
Rainfall: 102.5 mm

15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 33-34°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 57-68% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 78.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

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 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	}	<b>F</b>	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		
PLUM AND PEACH	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.		
	35	Gummosis, citrus canker, citrus greening and Dieback	↓ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.		
		Fruit fly	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	LAWNGTLAUSAIHA	<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> <li>♣ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>		
		60			
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)



			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		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 rawn chawr no theih nan thlai chu uluk
		7	tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	100	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 I		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
	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	W )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in		/	khuh tur ani.
rice fellow Potato	Carrier stage	1	♣ Muangchang loving alu chin na tur
Potato	Sowing stage	Z AIZAWL Z	chu buatsaih vat tur ani.
	1		♣ Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 5	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		4 A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
VEGETABLE CR	OP	V Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	The state of the s	hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
		17	Ridomil emaw Indofil emaw Mancozeb
	(	( )	@ 2 gm hi tui liter 1 ah pawlh a kah
Early Cole	Black spot		tur ani .  4 A than a that theih nan nikhat danah
crop	disease	30	tui pek thin tur ani.
		LAWRISTIAL	4 Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAL	hnim ring vawm khawm hi tui pek
		( SAITH	zawhah dah tur ani.  Likhlum lam chi ah chuan sik leh
		1	sa vangin a hnah ah thil dum rawn
	l .	N 1	11 0 11 11 11 11 11 11 11 11 11 11 11 11

Phone: +91 3837 220041, Fax: +91 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	Porcine Reproductive	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	{	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	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	LAWNGTLAUS	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	/ <sub>2</sub>	1	1-6 ah F1 vaccine pek tur ani a, chuan
	11104004100	(A)		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	8			ani.
	3	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2		"	coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	5	1 0 WCCRS	CHI	Calcium tome fortified with B <sub>12</sub>
FISHERI	125 11	Consessor-	100	
	Monitoring	)	*	Sangha te hi chaw a hmuar kai lo
	(Sangha	1 2 1	8	chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	1			a phoro phawt tur ani.
	10)		-	Sangha chaw hi a hmuar lohna turin
		SERCH	(IP)	hmun ro leh uap lutuk lo ah dahthat
		V~		tur ani a, hmuar atang a tur lo inseam
	· V			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
		10	-	Dil sah kang veka sangha man thin
		National Control of the Control of t		hian a kumleh a sangha khawinan a dil
		LUNGLEI	100	buatsaih a ti awlsam a, dil mawng
	3		- )	phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
	- 7	17	1	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
		1 7 6		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		-3		tuisen @1.5mg/l diltui a hman hian
		Land to the same of the same o		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	Q.	<u> </u>
				<del>-</del>
			1	2
		1 1 6	5	

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

Dr. S.B. Singh		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	<b>Dr. Lalmuanzovi</b> He <mark>ad &amp; Sr. S</mark> cientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	Í	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	1	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	91	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	<b>Dr. Michel Lallawmkimi</b> Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head & Sr. Scientist	kvksaiha@gmail.com	8974656509
KVK, Mamit	:	Dr. Sa <mark>muel Lalliansanga</mark> Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669

SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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



#### 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: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

	0.00	P	3.0		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	10	10	16	24	25
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	100	100	100
Min RH (%)	75	62	60	58	66
Wind Speed (KmpH)	3	4	2	2	2
*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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

**Aizawl- 412.50mm** 

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm (380.9mm)

(341.8mm) Lawngtlai-291.28mm (250.30mm) Lunglei-326.52mm (87.2mm) Mamit-204.84mm

Serchhip-189.57mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

# Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17-19°C Maximum RH (%):98-99%

Minimum RH (%):69-84%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.64 km/hr

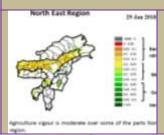
Rainfall: 75.1 mm

# Weather forecast valid from 15<sup>th</sup>August, 2018 To 19<sup>th</sup> August, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 15-16°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 58-75%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 85.0 mm

#### **NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

1 | P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	T )	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	)	W/2	field properly.
STAR FRUIT	5		<b>By seeds:</b> Seed should be sown in the nursery immediately after extraction in
JIAK PROII	5	San La	to a depth 1.5 to 2 cm extraction at
		5	10x5 cm distance. Seedlings are planted
PLUM AND	2		in secondary bed or polythene bags at 4-
PEACH	) MAMIT	}	6 leaf stages. Water must b provide
	§	AIZAVAL	every alternate days.
	)	A Comment	♣ Potting mixture of soil, sand and FYM or
	)	1	compost should be in proper ratio.
	1	1 6.7	♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	3		Only certified seed should be used.
	11	The same of the sa	♣ Stagnation of water in beds should be avoided.
		SERCH	♣ In the citrus belt, trees can be planted
	l l		at any time; however, pre-monsoon is
		1	the best time for transplant or gap
			filling.
	(	Williams	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	1	_	be set 6 to 10 feet apart. The exact
		5	distance depends on the variety. The
		Gummosis,	bigger the fruit, the farther the distance.  Lamon butterfly- Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>♣ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry	(	According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	N 10	maintain the drainage channel around the
		1146	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)



		KOLASIB	field properly.  Coffee should be grown as a single stem system. Pruning is required to:  Supply good healthy wood for the next season's crop;  maintain the correct balance between leaf area and crop;  Prevent overbearing and dieback;  Reduce biennial bearing;  Maintain good tree shape.
	MAMIT	AIZAWI.	De suckering-  De-sucker to maintain a single stem system and avoid competition from suckers  Remove 'fly crop' fruit (early fruit which compete with strong plant/root development) as they appear.  Weeding  Weeding or basin clearing must be done for better growth and development.
Rubber	Transplanting and gap filling	SERCHN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.
	3	LUNGLEI	<ul> <li>Apply 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.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAUSAIHA	According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be

3 | 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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	apply at time of planting to each pit as basal dose application.  Provide irrigation every alternate day or use straw mulch.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND	PULSE CROPS		
Maize	Vegetative stage	LAWNGTLAL SAIHA	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Weeding and fertilizer application must be done.</li> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in field.</li> </ul>
Kharif Rice	Transplanting		+ According to forecast and past weather
	stage	200	record, probability of rain will be high
		1	4 L D

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	MAMIT	KOLASIB	and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Water level shall be maintained for better transplant.  Plough the field two to three times.  According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.  Transplant 2-3 seedlings in one place for avoid gap filling.  Spacing should be 20 cm row to row and 15 cm plant to plant.  Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Vegetative stage		♣ According to forecast probability of less rain and temperature will be high, so
	stage	SERCHH	maintain soil moisture in the field
	1	V	properly.  Larthing up soil for better growth and
	7		stability in root zone.  Use split dose of any nitrogenous
	1		fertilizer for better growth.
Kharif pulses	Vegetative	LUNGLEI	According to forecast probability of
(Green gram, Black gram and	stage		huge rain and temperature will be low, so maintain the drainage channel
Rajma)		- E	around the field properly.
		15	♣ Earthing up soil for better growth and
		Car Si	stability in root zone.
			♣ Apply ay contact insecticide to reduce
		1 50	the damage of Blister beetle.
VEGETABLE CRO			* A 1:
Ginger and	Vegetative	LAWNGTLAND	♣ According to forecast probability of less rain and temperature will be high, so
turmeric	stage	# SAIHA	maintain soil moisture in the field
			properly.
		1	Earthing up soil for better growth and
		60 M	
		1 4 /	5   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		1	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
	57	1	♣ Apply Ridomil @ 2 g/lt of water to reduce stem root infection.
Cucurbitaceo	Harvesting	KOLASIB	♣ According to forecast probability of
us crop	stage	RULHOID	less rain and temperature will be high,
	)	LA J	so maintain soil moisture in the field properly.
	(	1 1	Harvest all the produces and keep
	(	Secret Land	seed for next season
	1	5	♣ In large gardens apply carbaryl 0.2 per
	2		cent or malathion 0.15 per cent
	J' MAMIT	1	suspension containing sugar or
	1	Z AIZAVVL	jeggery at 10 g/l at fortnightly
		7	intervals at flowering and fruit initiation against fruit fly and
	1	3	pumpkin beetle.
Chilli	Vegetative to	121	♣ According to forecast probability of
	flowering		less rain and temperature will be high,
	stage		so maintain soil moisture in the field
		SERCHN	properly.
	1	V	Harvest all the produces and keep seed for next season
	1		☐ In large gardens apply carbaryl 0.2 per
	4		cent or malathion 0.15 per cent
	- 1		suspension containing sugar or
		LUNGLEI	jeggery at 10 g/l at fortnightly
	3	The second secon	intervals at flowering and fruit
		500	initiation against fruit fly and pumpkin beetle.
		Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
		11416 113	or malathion 0.15 per cent suspension
	i		containing sugar or jeggery at 10 g/l at
	· ·	1 55 7	fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	1	According to forecast probability of less
	stage	LAWNGTLAN	rain and temperature will be high, so
		SAIHA	
			properly.
		1 = 1	Earthing up soil for better growth and stability in root zone.
		6 / V	
		1 6	6   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Okra	Vegetative	7	fertilizer for better growth.
Colocasia	Vegetative	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> <li>According to forecast probability of less</li> </ul>
ANIMAL HUSBEN	stage MAMIT	AIZAWL	<ul> <li>rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Pig	All stages	LUNGLEI	animals.  1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	♣ 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

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)



			antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		5	feed  Provide 10 20 ml of vitamin B Compley
	7 1	5	♣ Provide 10-30 ml of vitamin B-Complex in feed
	1	7	↓ 1st injection at 6-8 weeks of age, 2nd
	1	KOLASIB	injection after 6 months of 1st injection
	1	EA 8	followed by annual vaccination under
	(	3 4 /	vet supervision.
	7		<ul><li>Separate sick animals.</li><li>The animal should be washed with</li></ul>
	f.	3 2	lukewarm water added with little
			potash (KMnO4) or neem leaves.
	MAMIT		Long hair near the
	5	AIZAWA	udder/stomach/back legs should be
		Constitue:	teamed short.
Poultry	All age group	}	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> </ul>
	36	1 66	<ul><li>♣ Proper ventilation of shed.</li></ul>
	1	1 3 1	+ Provide glucose/electral along with
	15		vitamin supplements (@5- 6ml/100
		SERCHN	birds) with adequate potable water
	1		Avoid overcrowding.
	1		<ul> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and</li> </ul>
	1		recommended doses.
	1		
		LUNGLEI	proper consultation with vet.
	3		Day old chick: HVT Marek disease
		500	vaccine, 4-7 days:— F/Lasota, 14-18 days: Intermediate plus/IBD
		(f)	vaccine, 35 days: F/Lasota, 6-7
	()	Car See V	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
	1	-6	RD R-2B strain.
FISHERY		CONTRACTOR OF THE PARTY OF THE	♣ Remove wet litter.
FISHERI	Monitoring of	LAWNGTLAN	♣ Care should be taken that fish are fed
	Monitoring of fish in pond	SAIHA	with feed that are free from fungus. If
	lish in poliu		the fungal growth is observed in fish
		1201	feed, the feed needs to be sundried for
		V V	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)



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



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

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	٧٠	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	١,	Meteorological Observer	evansmeteo@gmail.com
- W	- 00	AUMIT I	

### **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

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)



District: Saiha Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

Date of issue: 14th August, 2018

Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	10	10	16	24	25
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	100	100	100
Min RH (%)	75	62	60	58	66
Wind Speed (KmpH)	3	4	2	2	2
*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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 105.47mm Saiha- 307.78 mm Aizawl- 412.50mm Kolasib- 331.10mm (341.8mm)(250.30mm)(87.2mm)(380.9mm)Mamit-204.84mm Lawngtlai-291.28mm Lunglei-326.52mm Serchhip-189.57mm (285.5mm)(186.21mm)(442.80mm) (25.9mm)

# Weather summary of the past three days

Maximum Tem. (°C):26-28°C
Minimum Tem. (°C):17-19°C
Maximum RH (%):98-99%
Minimum RH (%):69-84%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.64 km/hr

Rainfall: 75.1 mm

**NDVI** for Mizoram

## 15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai berin of 99-100% leh a hniam lai berin 58-75% 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: 85.0mm



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	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
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	l	
	)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
	, J	7/	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000	1	Hmun dam lutukah dah loh tur.
	3.	Z AIZAVIL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
	- 1		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 -
	7.6		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	500	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A chin hun	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(	( 4 7 )	a pui dawn a ni.
			↓ A chi chu kan lei leh saah chuan kan
		) -3 ]	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		( SMITH	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A S I	4 A chi tuh hma in lei leh FYM @5-10
		60	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)



Southoon noo	All stage	Zero tillage	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.  ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tinage	<ul> <li>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			<b>1</b>
Tomato	Bacterial Blight disease	LUNGLEI	<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

4 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	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	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	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

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

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	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	63	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

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



**Parameters** 

## GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 15 August – 19 August, 2018

16.08.2018

Bulletin No: - 816/2018/ Bulletin/English

15.08.2018

 17.08.2018
 18.08.2018
 19.08.2018

 14
 12
 25

 31
 32
 32

Date of issue: 14th August, 2018

Rainfall (mm)	20	11	14	12	25
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	70	61	65	59	67
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S	E	S-E	S-E	S

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

 Aizawl- 412.50mm
 Champhai- 105.47mm
 Saiha- 307.78 mm
 Kolasib- 331.10mm

 (341.8mm)
 (250.30mm)
 (87.2mm)
 (380.9mm)

 Lawngtlai-291.28mm
 Lunglei-326.52mm
 Mamit-204.84mm
 Serchhip-189.57mm

(285.5mm) (186.21mm) (442.80mm) (25.9mm)

# Weather summary of the past three days

Maximum Tem. (°C):25-28°C Minimum Tem. (°C):17-19°C Maximum RH (%):99-100% Minimum RH (%):75-86%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.25 km/hr

Rainfall: 82.8 mm

# Weather forecast valid from 15<sup>th</sup>August, 2018 To 19<sup>th</sup> August, 2018.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 59-70%. Wind direction would be easterly to southeasterly and southerly with the in speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 82.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	C A	field properly.
STAR FRUIT	8	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constitution.	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6. 7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~ / / / / / / / / / / / / / / / / / / /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	l l		♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
			the best time for transplant or gap
	- 1		filling.
	10	10000000-000	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		5	distance depends on the variety. The
		O	bigger the fruit, the farther the distance.
	1	Gummosis, citrus Canker,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		Citrus Canker, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
	N .	Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry	(	According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	20	maintain the drainage channel around the
		114	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)



			field properly.
			♣ Coffee should be grown as a single stem
			system. Pruning is required to:
		/	♣ Supply good healthy wood for the next
	) /		season's crop;
	The state of	KOLASIB (	<b>4</b> maintain the correct balance between leaf
	1	NULHSIB	area and crop;
	)	60	♣ Prevent overbearing and dieback;
	(	3 4 /	♣ Reduce biennial bearing;
	7		♣ Maintain good tree shape.
	1	2	De suckering-
	_J	71	♣ De-sucker to maintain a single stem system
	MAMIT		and avoid competition from suckers
	7 17251111		Remove 'fly crop' fruit (early fruit which
	1	( AIZAWL )	compete with strong plant/root
	1	1	development) as they appear.
	1	S	Weeding
	1	1 500	♣ Weeding or basin clearing must be
	) 6		done for better growth and
	170 /		development.
Rubber	Transplanting	SERCHN	According to forecast probability of huge
	and gap		rainfall and temperature will be low, so
	filling		maintain the drainage channel around the field properly.
			Start planting newly established place.
	1		Weeding must be done.
		LUNGLEI	♣ Apply 10-12 kg of well rotten organic
	7	CONGCEL	manure and 225 gm rock phosphate
			should be apply at time of planting to
	1	7	each pit as basal dose application.
			Basin clearing of all established plant.
	1	( G St )	Rain cap can use for tapping plant
			♣ Start intercropping in newly
011	**	1 -9	established orchard.
Oil plam	Vegetative/		According to forecast probability of huge
	Harvesting	LAWNGTLAN	rain and temperature will be low, so maintain the drainage channel around the
	stage	# SAIHA	field properly.
			♣ 10-12 kg of well rotten organic manure
		4	and 225 gm rock phosphate should be
	I	60 C	

3 | 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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	apply at time of planting to each pit as basal dose application.  Provide irrigation every alternate day or use straw mulch.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
CEREALS AND	PULSE CROPS		
Maize	Vegetative stage	LAWNGTLAL SAIHA	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Weeding and fertilizer application must be done.</li> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in field.</li> </ul>
Kharif Rice	Transplanting		+ According to forecast and past weather
	stage	200	record, probability of rain will be high
		1	410

Phone: +91 3837 220041, Fax: +91 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 | P a g e

				and temperature will be less. So soil moisture should be maintained in the
		2		field. Proper drainage should be
				maintained. Make channel to drain out
	2.1	1		excess water.
	1	7	4	Water level shall be maintained for
		KOLASIB	ē	better transplant.
	1	1 ×	ે 🛊	Plough the field two to three times.
	1	W 1	4	According to forecast probability of rain
	)			will be moderate to high and
	1	2 6		temperature will be less so run off and
				proper drainage should be maintained
	Same			in the field.
	J. WAINIT	1	*	Transplant 2-3 seedlings in one place
	3	Z AIZAWIL Z	Ž.	for avoid gap filling.  Spacing should be 20 cm row to row
			-	and 15 cm plant to plant.
	1	3	4	Keep some seedlings in nursery or
	1	1 66		corner of the field for gap filling.
Jhum Rice	Vegetative	- 1 3 A	- 4	According to forecast probability of less
	stage			rain and temperature will be high, so
		SERCHN	ı	maintain soil moisture in the field
		Controller of the second		properly.
	1		+	Earthing up soil for better growth and
	)			stability in root zone.
			*	Use split dose of any nitrogenous
TZh a wif marin a a	77	WHITTEN		fertilizer for better growth.
Kharif pulses (Green gram,	Vegetative	LUNGLEI	9	According to forecast probability of huge rain and temperature will be low,
Black gram and	stage		1	so maintain the drainage channel
Rajma)	1	- E-	1	around the field properly.
		11	4	Earthing up soil for better growth and
		P Var and I		stability in root zone.
		1 1 1	4	Apply ay contact insecticide to reduce
		1 50	3	the damage of Blister beetle.
VEGETABLE CRO				
Ginger and	Vegetative	LAWNGTLAN	+	According to forecast probability of less
turmeric	stage	SAIHA		rain and temperature will be high, so
		1		maintain soil moisture in the field
		1	ei.	properly.  Earthing up soil for better growth and
		pd [7]	-	Lattiming up son for Detter growth and
				FID

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			stability in root zone.  ↓ Use split dose of any nitrogenous fertilizer for better growth.  ↓ Apply Ridomil @ 2 g/lt of water to
	3 7	1	reduce stem root infection.
Cucurbitaceo us crop	Harvesting stage	KOLASIB	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	{	~ }	properly.  Harvest all the produces and keep seed for next season
	J	3	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	MAMIT		suspension containing sugar or
	ζ	AIZAWL	jeggery at 10 g/l at fortnightly
	1	Canestone:	intervals at flowering and fruit
	)	}	initiation against fruit fly and
Chilli	Vegetative to	) (((	pumpkin beetle.  4 According to forecast probability of
	flowering		less rain and temperature will be high,
	stage		so maintain soil moisture in the field
	Star Star	SERCHN	properly.
			Harvest all the produces and keep
	(		seed for next season
			In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	1		suspension containing sugar or
		LUNGLEI	jeggery at 10 g/l at fortnightly
	3	THE PARTY OF THE P	intervals at flowering and fruit
	2./	22	initiation against fruit fly and
		Danit Clas	pumpkin beetle.  In large gardens apply carbaryl 0.2 per cent
	1	Fruit fly	or malathion 0.15 per cent suspension
		125 6	containing sugar or jeggery at 10 g/l at
	N.	1 50 9	fortnightly intervals at flowering and fruit
Cownoo	Vocatativa		initiation.  4 According to forecast probability of less
Cowpea	Vegetative stage	LAWNGTLAN	rain and temperature will be high, so
	stage	SAIHA	
		1	properly.
			Earthing up soil for better growth and
		n n	stability in root zone.
		1 4	6   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Apply use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous</li> </ul>
Colocasia	Vegetative	56	fertilizer for better growth.  4 According to forecast probability of less
	stage MAMIT	AIZAWL	rain and temperature will be high, so maintain soil moisture in the field properly.  Larthing up soil for better growth and stability in root zone.  Apply use split dose of any nitrogenous fertilizer for better growth.
ANIMAL HUSBE	NDARY		
Pig	All stages	LUNGLEI	animals.  1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAN	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
		111	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)



		1	antibiotics for five days is advised.  ♣ Provide UMB/Molases if possible in the feed
		1	♣ Provide 10-30 ml of vitamin B-Complex
	1 1	5	in feed  1st injection at 6-8 weeks of age, 2nd
	1 3	KOLASIB	injection after 6 months of 1st injection
	(		followed by annual vaccination under
	1	W )	vet supervision.
	7		Separate sick animals.
	1	7 6	The animal should be washed with
	, J		lukewarm water added with little potash (KMnO4) or neem leaves.
	MAMIT		Long hair near the
	2		udder/stomach/back legs should be
	1	( AIZAWIL	teamed short.
Poultry	All age group	1	Provide preventive dose of anti-coccidial
	1	3 6 6	drugs to poultry.  4 Proper ventilation of shed.
	1		
	1		vitamin supplements (@5- 6ml/100
		SERCHN	birds) with adequate potable water
		- SERONN	4 Avoid overcrowding.
	1		Provide broad-spectrum antihelminthic
			drugs under vet supervision and recommended doses.
	1		Vaccination as per the schedule with
		LUNGLEI	proper consultation with vet.
	3	POST STATE OF THE PARTY OF THE	Day old chick: HVT Marek disease
	3	000	vaccine, 4-7 days:¬ F/Lasota, 14-18
		11	days: Intermediate plus/IBD
	1		vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
		1776	fowl pox vaccine and 56-70 days:
	N	1 5 4	RD R-2B strain.
			♣ Remove wet litter.
FISHERY		LAWNGTLAN	
	Monitoring of	# SAIHA	4 Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
		1 = 1	the fungal growth is observed in fish feed, the feed needs to be sundried for
		6 M	
		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)



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



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

Dr. I. Shakuntala	: Joint Director (I/C)		ishakuntala92@gmail.com
Dr. Saurav Saha	٧٠	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	١,	Meteorological Observer	evansmeteo@gmail.com
- C	- 100	AUMIT (	

### **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

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)



District: Serchhip Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

	100 Miles	P	4.0		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	20	11	14	12	25
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	70	61	65	59	67
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S	E	S-E	S-E	S

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 105.47mm Saiha- 307.78 mm Aizawl- 412.50mm Kolasib- 331.10mm (341.8mm)(250.30mm)(87.2mm)(380.9mm)Mamit-204.84mm Lawngtlai-291.28mm Lunglei-326.52mm Serchhip-189.57mm (285.5mm)(186.21mm)(442.80mm) (25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):25-28°C
Minimum Tem. (°C):17-19°C
Maximum RH (%):99-100%
Minimum RH (%):75-86%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.25 km/hr

Rainfall: 82.8 mm

**NDVI** for Mizoram

15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 59-70% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 82.0mm

North East Region 29 fac 2018

29 fac 2018

The part of the parts North region.

Moderately wet mildly dry/mildly wet conditions

1 | Page

Date of issue: 14th August, 2018

9900/1 Fox. ±01 3837 990560

Phone: +91 3837 220041. Fax: +91 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	}	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
	3 1	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	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. Instanta	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ 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 I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Co.	1 17. in in 1 in
Rabi Maize	A chin hun	17 ( )	→ Vaimim chinna tur atan lei kan let
	)		phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying also ship no tur
Potato	Sowing stage	LAIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	V Lan	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3		hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D1 O-1-	D11		tur ani .
Early Cole	Black spot disease	-4	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	arsease		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 iman an um uum lawii

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

5 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Pr	reventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	neasures			1-6 ah F1 vaccine pek tur ani a, chuan
				a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	S			ani.
	5	Same La	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2		_	coccidiostat
	MADVIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
PICIEDY	5	T-0 WCCRS	MALL	Calcidit tolic fortified with B <sub>12</sub>
FISHERY	**	Calendar .	MER	Till Till Till Till Till Till Till Till
I I	nitoring	)	*	Sangha te hi chaw a hmuar kai lo
1	ngha	100		chauh pek thin tur ani. Sangha chaw a
enk	awl)	1 10		lo hmuar anih chuan pek hma in ni sa
	2 0		-	a phoro phawt tur ani.
	1 )		*	Sangha chaw hi a hmuar lohna turin
		SERCH	ip)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	1			thin, aflatoxin avang a sangha thi lak
		1		atangin sangha a him phah thin.
				Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	66	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
		Eng.		dang in dil buatsaih tur ani.
	-	1	7	Sangha te natna lak atangin an him em
			0	tih enfiah fo a tha a, natna hmuh anih
		19 St.		chuan mithiam te rawn vat a, diltui
	3		1	enfiah vat tur ani.
	)	-3		A ranglam a chinai @50kg/ha leh
	1		15.4	tuisen @1.5mg/l diltui a hman hian
	1.0	LAWNGTLAL		sangha natna avang a thi tur lak atangin a veng thei.
		F SAIHA		atangin a veng thei.
		(		
			-	V
		126	(	

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



## GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

	24 A	P	1		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	27	30	33	22	33
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	60	58	73	67	75
Wind Speed (KmpH)	2	2	2	2	2

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

STATUS OF MONSOON- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

**Aizawl- 412.50mm** 

\*Wind Direction

Champhai- 105.47mm

S-W

Saiha- 307.78 mm

S-W

Kolasib- 331.10mm

Date of issue: 14th August, 2018

S-E

(341.8mm)Lawngtlai-291.28mm

(250.30mm)Lunglei-326.52mm

(87.2mm)Mamit-204.84mm

(380.9mm)Serchhip-189.57mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-19°C

Maximum RH (%):91-96%

Minimum RH (%):72-85% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.24 km/hr

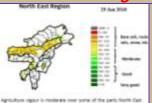
Rainfall: 78.2 mm

Weather forecast valid from 15th August, 2018 To 19th August, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-32°C and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 58-75%. Wind direction would be southwesterly to southerly to southwesterly to southeasterly and southerly with the wind speed of 2 km per hour. Manly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 145.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 5	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	W )	field properly.
STAR FRUIT	8	2 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constant !	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6.7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~~\ / / / /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	l l	V L	♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
			the best time for transplant or gap
	4		filling.
		100000000000000000000000000000000000000	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		500	distance depends on the variety. The
	-71		bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
	N.	Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	ОР		
COFFEE	Berry	1	According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	2 5	maintain the drainage channel around the
		1 1 1	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)



			field properly.
			<b>Coffee</b> should be grown as a single stem
			system. Pruning is required to:
	1. 1	F 3	<b>♣</b> Supply good healthy wood for the next
		( )	season's crop;
		KOLASIB	♣ maintain the correct balance between leaf
	(	(	area and crop;
	)	Par 3	♣ Prevent overbearing and dieback;
		1 1	♣ Reduce biennial bearing;
	3		Maintain good tree shape.
	- I		De suckering-
	- J		<b>♣</b> De-sucker to maintain a single stem system
	MAMIT		and avoid competition from suckers
	Z. 11250000	A second	Remove 'fly crop' fruit (early fruit which
	1	AIZAWL I	compete with strong plant/root
	1	1	development) as they appear.
	1	(	Weeding
	1	27	♣ Weeding or basin clearing must be
	) 0	~ V 3 N	done for better growth and
	A S		development.
			5.5 · 5.5 [5.1.5.1.5.1.
Rubber	Transplanting	SEBRUM	According to forecast probability of huge
Rubber		SERCHN	According to forecast probability of huge rainfall and temperature will be low, so
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the
Rubber		SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 10-12 kg of well rotten organic
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant
Rubber	and gap	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly
	and gap filling	LUNGLEI	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.
Rubber Oil plam	and gap filling  Vegetative/		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so
	and gap filling  Vegetative/		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  Start planting newly established place.  Weeding must be done.  Apply 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.  Basin clearing of all established plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  10-12 kg of well rotten organic manure
	and gap filling  Vegetative/ Harvesting	LAWNGTLAN	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 Start planting newly established place.  4 Weeding must be done.  4 Apply 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.  4 Basin clearing of all established plant.  4 Rain cap can use for tapping plant  4 Start intercropping in newly established orchard.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.

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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	<ul> <li>apply at time of planting to each pit as basal dose application.</li> <li>Provide irrigation every alternate day or use straw mulch.</li> <li>Basin clearing of all plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>
CEREALS AND I			A 1' ( C ( 1 1 1'1') C
Maize	Vegetative stage		<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Weeding and fertilizer application</li> </ul>
		LAWNGTLAL	<ul> <li>weeding and leftilizer application must be done.</li> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in field.</li> </ul>
Kharif Rice	Transplanting stage		must be done.  Probability of stem borer infestation will be high. Spray any systemic insecticide.  Use rat trap to reduce rat damage in

Phone: +91 3837 220041, Fax: +91 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 | P a g e

				and temperature will be less. So soil moisture should be maintained in the
				field. Proper drainage should be
				maintained. Make channel to drain out
	2.1	1		excess water.
	1	7	4	Water level shall be maintained for
		KOLASIB		better transplant.
	(	(	ે 🛖	Plough the field two to three times.
	)	W )	4	According to forecast probability of rain
	>			will be moderate to high and
	)	5		temperature will be less so run off and
	1	5		proper drainage should be maintained
	7			in the field.
	J' MAMIT	1	+	Transplant 2-3 seedlings in one place
		Z AIZAWL Z	Ĝ.	for avoid gap filling.
	1	7	+	Spacing should be 20 cm row to row
	)	1		and 15 cm plant to plant.
	1	a call	+	Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Vegetative	1	- 4	According to forecast probability of less
onum Rice	stage		_	rain and temperature will be high, so
	stage			maintain soil moisture in the field
		SERCHH	l†	properly.
	l l		4	Earthing up soil for better growth and
				stability in root zone.
	4	0.7	_+	Use split dose of any nitrogenous
				fertilizer for better growth.
Kharif pulses	<b>Vegetative</b>	LUNGLEI	+	According to forecast probability of
(Green gram, Black gram and	stage		y.	huge rain and temperature will be low, so maintain the drainage channel
Rajma)		500	1	around the field properly.
Najiliaj		1	4	Earthing up soil for better growth and
		P \		stability in root zone.
		7 0	4	Apply ay contact insecticide to reduce
		1 50 4	1	the damage of Blister beetle.
VEGETABLE CRO	)P			
Ginger and	Vegetative	LAWNGTLAN	4	According to forecast probability of less
turmeric	stage	SAIHA	Л	rain and temperature will be high, so
		(		maintain soil moisture in the field
			ei .	properly.
		2 5	+	Earthing up soil for better growth and
		1 1		5 I D

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			stability in root zone.  ↓ Use split dose of any nitrogenous fertilizer for better growth.  ↓ Apply Ridomil @ 2 g/lt of water to
	2.1	1	reduce stem root infection.
Cucurbitaceo us crop	Harvesting stage	KOLASIB	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	}	~1	properly.  Harvest all the produces and keep seed for next season
	}		♣ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	MAIMIT	AIZAWL	suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering		According to forecast probability of less rain and temperature will be high,
	stage		so maintain soil moisture in the field properly.
		SERCHN	♣ Harvest all the produces and keep
	3		seed for next season In large gardens apply carbaryl 0.2 per
	18		cent or malathion 0.15 per cent
	36	LUNGLEI	suspension containing sugar or jeggery at 10 g/l at fortnightly
	3	FA13/32-F41	intervals at flowering and fruit
		w 850	initiation against fruit fly and pumpkin beetle.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	ĺ	YW	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	Lauren and	♣ According to forecast probability of less
	stage	LAWNGTLAN	rain and temperature will be high, so maintain soil moisture in the field
			properly.
			♣ Earthing up soil for better growth and
		00	stability in root zone.
		1 4	6   P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			4 Apply use split dose of any nitrogenous
		by Age	fertilizer for better growth.
Okra	Vegetative stage		According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
		KOLASIB	properly.  Earthing up soil for better growth and stability in root zone.  Apply use split dose of any nitrogenous
	>		fertilizer for better growth.
Colocasia	Vegetative stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
	3	( AIZAWL	stability in root zone.  4 Apply use split dose of any nitrogenous
			fertilizer for better growth.
ANIMAL HUSBEN		U V	
Pig	All stages	LUNGLEI	<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> <li>Culling of positive pigs or piglets.</li> </ul>
	Ì	Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAUSAIHA	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

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		1	feed
	4.1	3	♣ Provide 10-30 ml of vitamin B-Complex in feed
		T )	<sup>4</sup> 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
		KOLASIB	injection after 6 months of 1st injection
	1	(	followed by annual vaccination under
	1	" )	vet supervision.
	7		Separate sick animals.
	1	7	The animal should be washed with
			lukewarm water added with little potash (KMnO4) or neem leaves.
	MAMIT		Long hair near the
	4	107000	udder/stomach/back legs should be
	35	( AIZAWL )	teamed short.
Poultry	All age group	1	♣ Provide preventive dose of anti-coccidial
	1	3 22	drugs to poultry.
		1	<ul><li>Proper ventilation of shed.</li><li>Provide glucose/electral along with</li></ul>
	1		vitamin supplements (@5- 6ml/100
		SERCHN	birds) with adequate potable water
		SERUMN	4 Avoid overcrowding.
	-		♣ Provide broad-spectrum antihelminthic
		7	drugs under vet supervision and
	J.		recommended doses.  Vaccination as per the schedule with
	1	LUNGLEI	proper consultation with vet.
	-	CONGCE	> Day old chick: HVT Marek disease
		esc.	vaccine, 4-7 days: ¬F/Lasota, 14-18
		W ( )	days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
		7 6	fowl pox vaccine and 56-70 days:
	N.	1 63 4	RD R-2B strain.
		A A	Remove wet litter.
FISHERY		LAWNGTLAL	
	Monitoring of	# SAIHA	♣ Care should be taken that fish are fed
	fish in pond	1	with feed that are free from fungus. If
		4	the fungal growth is observed in fish feed, the feed needs to be sundried for
		P 1	V.
		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)



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



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

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	٧:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	1:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	y .	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
- 4	- 10	AUMIT I	

### **Collaborating Department:**

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

SAIHA

LAWNGTLAL

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)



District: Aizawl Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

	0.00	P	3.0		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	27	30	33	22	33
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	14
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	60	58	73	67	75
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-W	S	S-W	S-E	S

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 412.50mm (

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm (380.9mm)

(341.8mm) Lawngtlai-291.28mm (250.30mm) Lunglei-326.52mm (87.2mm) Mamit-204.84mm

Serchhip-189.57mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C

Minimum Tem. (°C):17-19°C Maximum RH (%):91-96%

Maximum RH (%):91-96% Minimum RH (%):72-85%

Wind Direction: Southeasterly
Cloud cover: Mainly cloudy

Wind speed: 3.24 km/hr

Rainfall: 78.2 mm

Railliall. 70.2 Illii

**NDVI** for Mizoram

15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 58-75% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 145.0mm

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

Agriculture vigour is moderate over some of the

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)



2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			♣ 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)



		17	Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CON 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.
	7	Z AIZAVVL 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	1 - 1	EC @ 340 ml/200 lit emaw lamda
	1		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 %.
	V	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		270	W **
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

South as a second	5		<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in		/	khuh tur ani.
rice fellow	Carrier atoms		♣ Muangchang loving alu chin na tur
Potato	Sowing stage	ZAIZAWL Z	chu buatsaih vat tur ani.
	1	7	Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	2001 (A. 200	hmunah chuan natna an kai hma bik ani.
	1	500	Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Powler Cala	Die als sost		tur ani .  4 A than a that theih nan nikhat danah
Early Cole	Black spot disease	-4	tui pek thin tur ani.
crop	ursease.	language and the	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 iman an um uum lawii

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

		1	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.
	5	1	4	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	En . S		1-6 ah F1 vaccine pek tur ani a, chuan
	/	" 1		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	7		١.	ani.
	1		*	B complex with antibodies
	1	4 <sup>th</sup> weeks	+	Coccidiosis- Amprolium or
	S CARRATT		_	coccidiostat
	J. INFOMIT	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	( AIZAVVL	CH	AMPAI }
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 188		lo hmuar anih chuan pek hma in ni sa
	) 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	HP)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	130		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	276	NAME OF THE OWNERS OF THE OWNER,		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	199	phoro, chinai phul, leitha hman leh tul
	1		- 7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
		P \	1	chuan mithiam te rawn vat a, diltui
		1 7 6		enfiah vat tur ani.
	, i	1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAL		sangha natna avang a thi tur lak
		The state of the s		atangin a veng thei.
		SAIH	9	)
			Prince	7
			1	2

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

Dr. S.B. Singh	:	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	AUMIT (	

#### **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

8 | Page

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



### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

		P	4		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	25	6	25	12	48
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	75	72	71	75	76
Wind Speed (KmpH)	2	2	2	2	0

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

**Aizawl- 412.50mm** 

\*Wind Direction

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm

S-W

(380.9mm)

(341.8mm)Lawngtlai-291.28mm

(250.30mm)Lunglei-326.52mm

(87.2mm)Mamit-204.84mm

Serchhip-189.57mm

(285.5mm)Weather summary of the past

three days

S-W

Maximum Tem. (°C):27-30°C Minimum Tem. (°C):18-20°C

Maximum RH (%):97-100% Minimum RH (%):73-92%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.24 km/hr

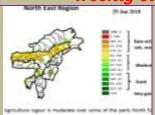
Rainfall: 82.3 mm

(186.21mm)(442.80mm)(25.9mm)Weather forecast valid from 15th August, 2018 To 19th **August, 2018.** 

There are chances of moderate to light and heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-320C and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 71-76%. Wind direction would be southwesterly to southerly to southeasterly and southwesterly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 116.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

S-E

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	Nursery and	e 1	According to forecast probability of huge
MANDARIN	gap filling	KOLASIB	rainfall and temperature will be low, so
AND ACID	stage		maintain the drainage channel around the
LIME	J	C A	field properly.
STAR FRUIT	8	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	5	Control of the second	nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND	2	1	in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages. Water must b provide
PEACH	5	AIZAWL	every alternate days.
	1	Constitution.	♣ Potting mixture of soil, sand and FYM or
	1	)	compost should be in proper ratio.
	1	6. 7	♣ Application of split dose of fertilizer 600:
	1		200:100 (g/pt).
		~ / / / / / / / / / / / / / / / / / / /	♣ Only certified seed should be used.
	1)		♣ Stagnation of water in beds should be
		SERCH	
	l l		♣ In the citrus belt, trees can be planted at any time; however, pre-monsoon is
			the best time for transplant or gap
	- 1		filling.
	1	0.000	♣ Standard-size trees should be spaced 12
		LUNGLEI	to 25 feet apart and dwarf trees should
	3		be set 6 to 10 feet apart. The exact
		5	distance depends on the variety. The
		O	bigger the fruit, the farther the distance.
	1	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
	N .	Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>↓ Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Berry		According to forecast probability of huge
	development		rainfall and temperature will be low, so
	stage	20	maintain the drainage channel around the
		1141	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)



			field properly.
			Coffee should be grown as a single stem
			system. Pruning is required to:
			♣ Supply good healthy wood for the next
	) [	2	season's crop;
	1	V	<b>♣</b> maintain the correct balance between leaf
	1	KOLASIB	area and crop;
	1	1	Prevent overbearing and dieback;
	/	7 4 7	♣ Reduce biennial bearing;
	7		♣ Maintain good tree shape.
	1	7 6	De suckering-
			♣ De-sucker to maintain a single stem system
	\$ MAMIT		and avoid competition from suckers
	7 111		Remove 'fly crop' fruit (early fruit which
	30	( ATZAVVL	compete with strong plant/root
	1	1	development) as they appear.
	1	S	Weeding
	1	1 500	♣ Weeding or basin clearing must be
	) 6		done for better growth and
	TAC N		development.
Rubber	Transplanting	SERCHN	According to forecast probability of huge
	and gap	V~	rainfall and temperature will be low, so
	filling		maintain the drainage channel around the field properly.
	1		♣ Start planting newly established place.
	J. P.		Weeding must be done.
	1	LUNGLEI	♣ Apply 10-12 kg of well rotten organic
	3	PA1802-FEE	manure and 225 gm rock phosphate
	1	y*******	should be apply at time of planting to
	1	11	each pit as basal dose application.
			Basin clearing of all established plant.
	(	( 9 20)	Rain cap can use for tapping plant
			Start intercropping in newly established orchard.
Oil plam	Vegetative/		According to forecast probability of huge
On plain	Harvesting	I amount of the same of the sa	rain and temperature will be low, so
	stage	LAWNGTLAND	maintain the drainage channel around the
	stage	SAIHA	field properly.
			♣ 10-12 kg of well rotten organic manure
		A second	and 225 gm rock phosphate should be
		Gr C	210
			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 | P a g e

Passion Fruit	Flowering to fruiting stage	KOLASIB	<ul> <li>apply at time of planting to each pit as basal dose application.</li> <li>Provide irrigation every alternate day or use straw mulch.</li> <li>Basin clearing of all plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>
CEREALS AND I		TOTAL PROPERTY.	According to forecast much shiliter of
Waize	Vegetative stage	A S	<ul> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Weeding and fertilizer application must be done.</li> </ul>
		LAWNGTLAN	Probability of stem borer infestation will be high. Spray any systemic insecticide.  Use rat trap to reduce rat damage in field.
Kharif Rice	Transplanting stage		<ul> <li>Probability of stem borer infestation will be high. Spray any systemic insecticide.</li> <li>Use rat trap to reduce rat damage in</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 | Page

				and temperature will be less. So soil moisture should be maintained in the
				field. Proper drainage should be
				maintained. Make channel to drain out
	2.1	1		excess water.
	1	7	4	Water level shall be maintained for
		KOLASIB		better transplant.
	(	(	°-4	Plough the field two to three times.
	)	W )	4	According to forecast probability of rain
	>			will be moderate to high and
	)	5		temperature will be less so run off and
	1	5		proper drainage should be maintained
	3			in the field.
	J' MAMIT	1	+	Transplant 2-3 seedlings in one place
		Z AIZAWL Z	Ĝ.	for avoid gap filling.
	)	7	+	Spacing should be 20 cm row to row
	1	1		and 15 cm plant to plant.
	1	3 26	*	Keep some seedlings in nursery or
Jhum Rice	Vegetative			corner of the field for gap filling.  According to forecast probability of less
Jium Rice	100		+	rain and temperature will be high, so
	stage			maintain soil moisture in the field
		SERCHH	lŦ	properly.
	l)		4	Earthing up soil for better growth and
				stability in root zone.
	4	0)	_+	Use split dose of any nitrogenous
				fertilizer for better growth.
Kharif pulses	Vegetative	LUNGLEI	+	According to forecast probability of
(Green gram,	stage		J	huge rain and temperature will be low,
Black gram and		5500	1	so maintain the drainage channel
Rajma)		11		around the field properly.  Earthing up soil for better growth and
			+	stability in root zone.
		100	4	Apply ay contact insecticide to reduce
		1 6 4	1	the damage of Blister beetle.
VEGETABLE CRO	)P			
Ginger and	Vegetative	LAWNGTLAN	4	According to forecast probability of less
turmeric	stage	SAIHA	П	rain and temperature will be high, so
	_	( ( )		maintain soil moisture in the field
			e .	properly.
		2 2	+	Earthing up soil for better growth and
				£   D

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			stability in root zone.  ↓ Use split dose of any nitrogenous fertilizer for better growth.  ↓ Apply Ridomil @ 2 g/lt of water to
	7.1	1 1	reduce stem root infection.
Cucurbitaceo us crop	Harvesting stage	KOLASIB	According to forecast probability of less rain and temperature will be high,
	ζ	La )	so maintain soil moisture in the field properly.  Harvest all the produces and keep
	1	8	seed for next season In large gardens apply carbaryl 0.2 per
	MAIMIT		cent or malathion 0.15 per cent
	\$ 111	100000	suspension containing sugar or jeggery at 10 g/l at fortnightly
	1	( AIZAWL	intervals at flowering and fruit
	)	3	initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to	1 50	♣ According to forecast probability of
	flowering		less rain and temperature will be high, so maintain soil moisture in the field
	stage		nronerly
		SERCHN	Harvest all the produces and keep
	V.		seed for next season
		-	In large gardens apply carbaryl 0.2 per
	()()		cent or malathion 0.15 per cent
	6	A Charles Tell	suspension containing sugar or jeggery at 10 g/l at fortnightly
		LUNGLEI	intervals at flowering and fruit
	1/2	y****	initiation against fruit fly and
	,	n to	pumpkin beetle.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
	1	9 25	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		5 63 4	fortnightly intervals at flowering and fruit
Cowpea	Vegetative		initiation.  4 According to forecast probability of less
Cowpea	stage	LAWNGTLAN	rain and temperature will be high, so
	2-25	# SAIHA	
			properly.
			♣ Earthing up soil for better growth and
		0	stability in root zone.
		1 4	6   P a g e

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Apply use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
ANIMAL HUSBE		The state of the s	
Pig	All stages	LUNGLEI	animals.  1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.  Reduce concentrate diet up to 5%.  Provide adequate potable water.  In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
	Ì	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAN	♣ 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
		1/1/	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)



Poultry  All age group  All age grou			1	antibiotics for five days is advised.  ♣ Provide UMB/Molases if possible in the 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.		57	1	·
injection after 6 months of 1st injection followed by annual vaccination under vet supervision.  Separate sick animals. The animal should be washed 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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1 1	5	
followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed 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 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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			KOLASIB	_
Poultry  All age group  Poultry  All age group  All age group  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 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. Remove wet litter.  Prishery  Monitoring of fish in pond  All age group  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		(	En S	
Poultry  All age group  Poultry  All age group  All age group  Provide preventive dose of anti-coccidial drugs to poultry.  Propre ventilation of shed.  Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  Provide proad-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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  * Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	W )	-
Lukewarm water added with little potash (KMnO4) or neem leaves.		7		
Poultry  All age group  All age group  All age group  All age group  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 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 fow pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		/	2 6	100
Poultry  All age group  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 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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		J		
Poultry  All age group  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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		MAMIT		= '
Poultry  All age group  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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		\$	0.7000	
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 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. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	CONTENTAL:	
# 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 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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for	Poultry	All age group	1	
# Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water  4 Avoid overcrowding.  4 Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.  4 Vaccination as per the schedule with proper consultation with vet.  5 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.  4 Remove wet litter.  FISHERY  Monitoring of fish in pond  4 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	3 2 (	
vitamin supplements (@5- 6ml/100 birds) with adequate potable water  Avoid overcrowding.  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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	1 3 1	
birds) with adequate potable water  Avoid overcrowding.  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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
Avoid overcrowding.  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.  Remove wet litter.  FISHERY  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			GEBURN	birds) with adequate potable water
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.  Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			V-	
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  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
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  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for				
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.    Monitoring of fish in pond   Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
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.  ■ Monitoring of fish in pond  ■ Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			LUNGLE)	
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.**  **Remove wet litter.**  **Monitoring of fish in pond**  **Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		3	Prof. 12 (2007)	Day old chick: HVT Marek disease
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  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		- 1	55	The state of the s
weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.  **FISHERY**  **Monitoring of fish in pond**  **Monitoring of with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for the fundamental sundried for the feed of the feed needs to be sundried for the feed of the feed needs to be sundried for the feed of the feed needs to be sundried for the		. 7	W ( >>	j ,
fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.  **FISHERY**  **Monitoring of fish in pond**  **Monitoring of with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1		
RD R-2B strain. Remove wet litter.  FISHERY  Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for			700	
FISHERY  Monitoring of fish in pond  **Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for		1	1 53 Y	
Monitoring of fish in pond  Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for				Remove wet litter.
fish in pond  with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for	FISHERY			
the fungal growth is observed in fish feed, the feed needs to be sundried for			) # SAIHA	
feed, the feed needs to be sundried for		fish in pond		
			1 = 1	
			6 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)



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



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

Dr. I. Shakuntala		Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	٧٠	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		Meteorological Observer	evansmeteo@gmail.com
	- 100	AUVIT D	

#### **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

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)



District: Champhai Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/Mizo

Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	25	6	25	12	48
Max Temp (°C)	30	31	31	32	32
Min Temp (°C)	14	14	14	15	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	100	100	100	100	100
Min RH (%)	75	72	71	75	76
Wind Speed (KmpH)	2	2	2	2	0
*Wind Direction	S-W	S	S	S-E	S-W

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- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 412.50mm Cha

Champhai- 105.47mm

Saiha- 307.78 mm

Kolasib- 331.10mm

(341.8mm) Lawngtlai-291.28mm (250.30mm) Lunglei-326.52mm (87.2mm) Mamit-204.84mm (380.9mm) Serchhip-189.57mm

(285.5mm)

(186.21mm)

(442.80mm)

(25.9mm)

Weather summary of the past three days

Maximum Tem. (°C):27-30°C

Minimum Tem. (°C):18-20°C Maximum RH (%):97-100%

Minimum RH (%):73-92%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3.24 km/hr

Rainfall: 82.3 mm

**NDVI for Mizoram** 

### 15<sup>th</sup>August – 19<sup>th</sup> August, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 71-76% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 116.0mm

North East Region 29.3

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 14th August, 2018

1 | P a g e

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ 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	V comment	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	)	LA N	♣ Thlai naupang deuah chuan chawlh
	(	3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
	f.	5 1	theihna turin a hmunhma a hnim awm
CMAD EDIUM		/	te thlawhfai thin tur ani.
STAR FRUIT	MAINIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	\$	107000	leh a rah than that nan te leh a rah
<b>PLUM AND</b>	1	(AIZAWL	keh tur lakah t a veng thei ani.
PEACH	1	5	
	Acc.	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	1)	Dieback	The state of the s
		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		LUNGLEI	
COFFEE	All stages	LAWNGTLAUSAIHA	<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> <li>↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>

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)



			Homosting Stogo
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	1	6 3	♣ A rah hmin tha lo ho chu nuai sawm
	1 \		hmain an thliar hrang leh vek thin ani.
	land.	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	\ \	F	♣ Hmaih neih nuaih loh tur ani.
	)	GP )	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1	1000	♣ Seng bang zawng zawng chu uluka taka
	J.		paih fai vek tur ani.
		201	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	X 7	Hmun dam lutukah dah loh tur.
	S	Z AIZAWL Z	♣ Boruak tha taka a hmuh theih nan leh a
	1		rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	3	500	Chuan hei hian kah tur ani. Quinalphos 25
	1	1 1	EC @ 340 ml/200 lit emaw lamda
	1 0		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	Ac V		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHH	parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
	1		Bordeaux mixture 0.5% in February -
	J.		March (Pre-bloom) a kah phawt a,
	The same of the sa	A DELINE TO STATE OF THE PARTY	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		, , , , , , , , , , , , , , , , , , , ,
Rabi Maize	A chin hun	500	→ Vaimim chinna tur atan lei kan let
		1	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(	1 3 20	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-5	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
			sawngbawl hmasa anga.
		SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		12 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		1 / 1	3   P a g e

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	5		<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	2	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	1	/	khuh tur ani.
rice fellow Potato	Carrier store	1	♣ Muangchang loving alu chin na tur
Potato	Sowing stage	Z AIZAWL Z	chu buatsaih vat tur ani.
	1		♣ Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 54	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		4 A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
VEGETABLE CR	OP	No. large	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease	100	natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	The state of the s	hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
		17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Early Cole	Black spot		tur ani .  4 A than a that theih nan nikhat danah
crop	disease	20	tui pek thin tur ani.
		I comment as a	4 Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAL	hnim ring vawm khawm hi tui pek
		( SAINA	zawhah dah tur ani.  Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
	<u> </u>	m 1 1	- ca rangin a mian an ann admi lawii

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		awm thin a , hei hi natna tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
		KOLASIB	@ 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</li> </ul>
	- {	Z AIZAVAL	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	LAWNGTLAN	<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>
		SAIHA	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

5 | Page

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | P a g e

			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3.7	1		an chaw eitur thlak sak thut loh tur
	1	V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	7	7		a puitlingh chuan R2B vaccine pek tur
	2			ani.
	)	5 6	_	B complex with antibodies
	1	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or
	Norman .			coccidiostat
	J. INAUNIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	ATZAWIL.	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	5		chauh pek thin tur ani. Sangha chaw a
	enkawl)	100		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(p)	hmun ro leh uap lutuk lo ah dahthat
		V-		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	716	AUTO AND STATE OF THE STATE OF		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
	- 7	1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1 7 6	8	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LINGS TO A ST		sangha natna avang a thi tur lak
		LAWNGTLAL		atangin a veng thei.
		SAIHA	1	)
			Prin	7
		1 2 1		2
		60	100	

Phone: +91 3837 220041, Fax: +91 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	63	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 Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	: (	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	:	<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. Samu <mark>el Lalliansanga</mark>	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)



Date of issue: 14th August, 2018

District: Kolasib Period: 15 August - 19 August, 2018

Bulletin No: - 816/2018/ Bulletin/English

	1.0	P	4		
Parameters	15.08.2018	16.08.2018	17.08.2018	18.08.2018	19.08.2018
Rainfall (mm)	40	42	37	42	43
Max Temp (°C)	32	33	33	34	34
Min Temp (°C)	18	18	17	18	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	100	100	100	100
Min RH (%)	54	55	74	66	68
Wind Speed (KmpH)	0	2	2	2	2
*Wind Direction	S-E	S-W	S-W	E	S-E

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

STATUS OF MONSOON- July 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 105.47mm Saiha- 307.78 mm **Aizawl- 412.50mm** Kolasib- 331.10mm (341.8mm)(250.30mm)(87.2mm)(380.9mm)

Mamit-204.84mm Lawngtlai-291.28mm Lunglei-326.52mm Serchhip-189.57mm (285.5mm)(186.21mm)(442.80mm)(25.9mm)

#### Weather forecast valid from 15th August, 2018 To 19th Weather summary of the past August, 2018. three days Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):22-24°C Maximum RH (%):99-100% Minimum RH (%):71-89% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.09 km/hr

Rainfall: 112.8 mm

There are chances of heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-34°C and 17-19°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 54-74%. Wind direction would be southwesterly southeasterly to to easterly southeasterly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 204.0 mm

NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram. Agricultural / Horticultural / animal Main Crop/ Stage Cultural

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)



Animal		practices/	husbandry advisories
/Fisheries		Pest/ Diseases	·
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Nursery and gap filling stage	KOLASIB	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.  4 By seeds: Seed should be sown in the
STAR FRUIT	}	1	nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted
PLUM AND PEACH	} MAMIT		in secondary bed or polythene bags at 4-6 leaf stages. Water must b provide every alternate days.
	3	AIZAVIL	<ul> <li>Potting mixture of soil, sand and FYM or compost should be in proper ratio.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Only certified seed should be used.</li> </ul>
	15	SERCHI	<ul> <li>Stagnation of water in beds should be avoided.</li> <li>In the citrus belt, trees can be planted at any time; however, pre-monsoon is</li> </ul>
		LUNGLEI	the best time for transplant or gap filling.  Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact
	3	***************************************	distance depends on the variety. The bigger the fruit, the farther the distance.
		Gummosis, citrus Canker, Citrus greening,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water. <b>Leaf minor-</b> Spray confidor 0.05% (0.5)
		Dieback, Lamon butterfly and leaf minor	ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin  @0.6 g/lt of water.
PLANTATION CR	ΛP	icai illillor	9.10 8/ 12 01a.o.r.
COFFEE	Berry development stage	SAIH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
		111	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)



	MAMIT	KOLASIB	<ul> <li>Coffee should be grown as a single stem system. Pruning is required to:</li> <li>Supply good healthy wood for the next season's crop;</li> <li>maintain the correct balance between leaf area and crop;</li> <li>Prevent overbearing and dieback;</li> <li>Reduce biennial bearing;</li> <li>Maintain good tree shape.</li> <li>De suckering-</li> <li>De-sucker to maintain a single stem system and avoid competition from suckers</li> <li>Remove 'fly crop' fruit (early fruit which compete with strong plant/root development) as they appear.</li> <li>Weeding</li> <li>Weeding or basin clearing must be done for better growth and development.</li> </ul>
Rubber	Transplanting and gap		According to forecast probability of huge rainfall and temperature will be low, so
	filling	SERCHH	maintain the drainage channel around the field properly.
	1	4	<ul><li>Start planting newly established place.</li><li>Weeding must be done.</li></ul>
		LUNGLEI	♣ Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
	3	EMMORIA:	should be apply at time of planting to each pit as basal dose application.
	-	n E~	<sup>→</sup> Basin clearing of all established plant.
			<ul><li>Rain cap can use for tapping plant</li><li>Start intercropping in newly</li></ul>
		1756	established orchard.
Oil plam	Vegetative/	1 -2	According to forecast probability of huge
	Harvesting stage		rain and temperature will be low, so maintain the drainage channel around the
	stage	LAWNGTLAN	field properly.
		SAIHA	♣ 10-12 kg of well rotten organic manure
			and 225 gm rock phosphate should be apply at time of planting to each pit as
			anniv al little of highlitio to each bit as i

3 | 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 | Page

Passion Fruit  CEREALS AND I	Flowering to fruiting stage	KOLASIB	basal dose application.  Provide irrigation every alternate day or use straw mulch.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.  Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.  According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Trail semi hard wood stem to bower structure  Clean near the base of the plant.  According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.  Medium to young seedling should be support by bamboo stake.
Maize	Vegetative	LUNGLEI	According to forecast probability of
	stage	LAWNGTLAL	huge rain and temperature will be low, so maintain the drainage channel around the field properly.  Weeding and fertilizer application must be done.  Probability of stem borer infestation will be high. Spray any systemic insecticide.  Use rat trap to reduce rat damage in field.
Kharif Rice	Transplanting stage	( 3/11/4	According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil

Phone: +91 3837 220041, Fax: +91 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 | Page

				moisture should be maintained in the	
				field. Proper drainage should be	
	1	6		maintained. Make channel to drain out	
	( )	6		excess water.	
	1 /	-	+	Water level shall be maintained for	
	The land	V		better transplant.	
	1	KOLASIB	4	Plough the field two to three times.	
	1	la S	<u> </u>	According to forecast probability of rain	
	1	7		will be moderate to high and	
	)			temperature will be less so run off and	
	)	S		proper drainage should be maintained	
		5		in the field.	
	2		4	Transplant 2-3 seedlings in one place	
	/ MAINIT	(		for avoid gap filling.	
	Z	1	4	Spacing should be 20 cm row to row	
	1	( AIZAWL )	e e	and 15 cm plant to plant.	
	1	Y	4	Keep some seedlings in nursery or	
	1	S		corner of the field for gap filling.	
Jhum Rice	Vegetative	188	4	According to forecast probability of less	
	stage			rain and temperature will be high, so	
				maintain soil moisture in the field	
		SERVIN		properly.	
		SERUMA	4	Earthing up soil for better growth and	
	N. Carlotte			stability in root zone.	
			4	Use split dose of any nitrogenous	
	- 1			fertilizer for better growth.	
Kharif pulses	Vegetative		4	According to forecast probability of	
(Green gram,	stage	LUNGLEI	Gel	huge rain and temperature will be low,	
Black gram and		THE PARTY OF THE P	1	so maintain the drainage channel	
Rajma)	3	yma,	-1	around the field properly.	
		(N)	4	Earthing up soil for better growth and	
				stability in root zone.	
		Charles St. 1	4	Apply ay contact insecticide to reduce	
			9	the damage of Blister beetle.	
VEGETABLE CRO	VEGETABLE CROP				
Ginger and	Vegetative	1	4	According to forecast probability of less	
turmeric	stage	LAWNGTLAN		rain and temperature will be high, so	
		SAIHA	П	maintain soil moisture in the field	
		( SAITA		properly.	
			<u>.</u>	Earthing up soil for better growth and	
				stability in root zone.	
		60 10 10			

Phone: +91 3837 220041, Fax: +91 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	Use split dose of any nitrogenous
				fertilizer for better growth.
			+	Apply Ridomil @ 2 g/lt of water to
	- 17	/	<u> </u>	reduce stem root infection.
Cucurbitaceo	Harvesting	5	+	According to forecast probability of
us crop	stage	KOLASIB		less rain and temperature will be high,
	1	11000000	3	so maintain soil moisture in the field
	)	W. J	4	properly.  Harvest all the produces and keep
		1 1	-	seed for next season
	3	The same of the sa	4	In large gardens apply carbaryl 0.2 per
	- 1		_	cent or malathion 0.15 per cent
		//		suspension containing sugar or
	MAINIT			jeggery at 10 g/l at fortnightly
	\$	100000	SALI	intervals at flowering and fruit
	1	( AIZAWIL )	M.Lie	initiation against fruit fly and
	1	5		pumpkin beetle.
Chilli	Vegetative to	1	+	According to forecast probability of
	flowering			less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	1)			properly.
		SERCHN	IP.	Harvest all the produces and keep seed for next season
	1	V	4	In large gardens apply carbaryl 0.2 per
	<b>S</b>			cent or malathion 0.15 per cent
	4		1	suspension containing sugar or
	- 1		-	jeggery at 10 g/l at fortnightly
		LUNGLEI	63	intervals at flowering and fruit
	3	the Mark and the Control of the Cont	1	initiation against fruit fly and
	Pili	194		pumpkin beetle.
		Fruit fly	+	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
	(		10	containing sugar or jeggery at 10 g/l at
		135 6	3	fortnightly intervals at flowering and fruit
			(	initiation.
Cowpea	Vegetative	1	#	According to forecast probability of less
	stage	Laurence		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		SAIHA		properly.
			, -	Earthing up soil for better growth and stability in root zone.
		201	4	Apply use split dose of any nitrogenous
		VVV /	9	6   P a g e

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



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			fertilizer for better growth.
Okra	Vegetative stage		♣ According to forecast probability of less rain and temperature will be high, so
	57	1	maintain soil moisture in the field properly.
		KOLASIB	Larthing up soil for better growth and
	1	NULPIOLE	stability in root zone.
	)	hy )	Apply use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Vegetative stage	3	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
	MAMIT		properly.  Larthing up soil for better growth and
	2 1000000	100000	stability in root zone.
		( AIZAWL	4 Apply use split dose of any nitrogenous fertilizer for better growth.
ANIMAL HUSBE			
Pig	All stages	LUNGLEI	<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>
		Porcine Reproductive	1. Culling of positive pigs or piglets.
		Respiratory Syndrome (PRRS).	<
Cattle	All age group	LAWNGTLAL	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.
		N N	antibiotics for five days is advised.

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)



			♣ Provide UMB/Molases if possible in the
			feed
		-	♣ Provide 10-30 ml of vitamin B-Complex
		1	in feed
		1	<sup>4</sup> 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
		V	injection after 6 months of 1st injection
		KOLASIB	followed by annual vaccination under
	1	En.	vet supervision.
	1	~7	Separate sick animals.
	)		♣ The animal should be washed with
	)	5	lukewarm water added with little
	1	5	potash (KMnO4) or neem leaves.
	2		♣ Long    hair    near    the
	J' MAMIT	1	udder/stomach/back legs should be
	5	1 4 5 6 4 6	teamed short.
Poultry	All age group	Valletine.	♣ Provide preventive dose of anti-coccidial
		) Y	drugs to poultry.
	1	2 2 7	Proper ventilation of shed.
			♣ Provide glucose/electral along with
	2 6		vitamin supplements (@5- 6ml/100
	)		birds) with adequate potable water
		SERCHN	Avoid overcrowding.
	1		Provide broad-spectrum antihelminthic
	(		drugs under vet supervision and
		1	recommended doses.
			4 Vaccination as per the schedule with
		A STATE OF THE STA	proper consultation with vet.
		LUNGLEI	Day old chick: HVT Marek disease
	-		vaccine, 4-7 days: ¬F/Lasota, 14-18
		5	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7
	. 7	#	weeks: Chicken embryo adopted
	1		fowl pox vaccine and 56-70 days:
	1	1 7 6	RD R-2B strain.
	1		Remove wet litter.
FISHERY		7	Temove wet litter.
	Monitoring of	LAWNGTLAL	♣ Care should be taken that fish are fed
	fish in pond	SAIHA	
	11311 III pond	SAINA	the fungal growth is observed in fish
			feed, the feed needs to be sundried for
		1 2 1	few days prior to feeding.
		6 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)



Fish feed should be stored in cool and dry place to av ♣ oid fungal growth that releases aflatoxin which could lead to mortality of fish. ♣ Fish harvesting may be carried out by KOLASIB complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if MAMIT disease is observed, consult expert immediately and water sample needs to be analyzed. lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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)



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

Dr. I. Shakuntala	:	Joint Director (I/C)	ishakuntala92@gmail.com
Dr. Saurav Saha	٧.	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		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	ļ,	Meteorological Observer	evansmeteo@gmail.com
	- 100	AUVIT (	

#### **Collaborating Department:**

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

10 | P a g e

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