

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: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/English Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	12	7	4	5	0
Max Temp (°C)	28	27	27	27	28
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Mainly cloudy	Partially clear	Partially clear	Partially clear	Clear sky
Max RH (%)	88	90	92	93	88
Min RH (%)	65	53	53	51	45
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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

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

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm (372.0mm)

(430.2mm) Lawngtlai-291.20mm

(301.30mm) Lunglei-370.28mm

Mamit-197.57mm

Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):19-20°C Minimum Tem. (°C):14-15°C Maximum RH (%):88-95%

Minimum RH (%):71-83% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

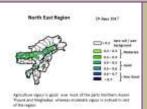
There are chances of moderate to light rainfall during the

next 4 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 13-14°C. Maximum relative humidity is expected in the range of 88-93% and minimum may from 45-65%. Wind direction would be easterly with the wind speed of 2 km per hour. Partially clear will prevail during the next five days.

Weekly cumulative rainfall: 28.0 mm

NDVI for Mizoram

Rainfall: 15.6 mm



Moderately wet mildly dry/mildly wet conditions

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1 | Page



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	3	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D
STAR FRUIT	MAMIT	AIZAVAL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble
PLUM AND PEACH	}		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
		Fruit fly RCH	▶ 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.
	34	Gummosis,	♣ Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening and Dieback	past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	POP	7.74	and
COFFEE	Fruiting stage	LAWNGTLAN	support by bamboo stake.
		1 2 1	Replace dead plant with young seedlings.
		6 1	
			2 P a g e

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3 | Page

		1	Fr	Fertilizer dose should be maintained. uiting stage Foliar application of Mepiquat chloride
	57.	1		@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days
		KOLASIB	.	interval. Spray lantana camera leaf paste
)	my a		around 3 kg/16 lt water which will give effective control against drought
	3	5-1	4	condition. Due to high humidity, high
	J	5		temperature and less rainfall in hilly region of the district probability of rust
	MAMIT			will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	Constitute.	+	According to forecast and past weather record, there is no probability of
	Suge	1 6 2		rainfall. So weekly irrigation is required
				for upcoming week or use straw mulch reduces soil water loss.
	3 5		4	Use grass or straw mulch to prevent
		SERCHN	ı.	from waterloss.
	1		*	Medium to young seedling should be support by bamboo stake.
	5		4	10-12 kg of well rotten organic manure
	4			and 225 gm rock phosphate should be
		MILLIANS		apply at time of planting to each pit as
Strawberry	Transplanting	LUNGLEI	4	basal dose application. Plough the field properly.
Scrawborry	stage	y***		Make bun in the field and cover with
		n ?~~		black mulch to reduce water
				transpiration and also weed control.
		1700	-	Make hole in the upper side of the bun and mix FYM with soil properly.
	N.	1 63 4	4	Apply water in every holes of the bun.
		V. A. A.		Transplant young suckers in the bun.
CEREALS AND I		LEATHINITERS		
Kharif Rice	Physiological	# SAIHA	+	According to forecast and past weather
	maturity	(record, probability of rain will be less and temperature will be high. So
	stage			drainage channel shall be block the
		6 6	(1)	

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
	Common Co.			bird damage.
		/	4	Make a channel around the field to
	3 1	21		drain excess water and also start
	1	V		planning for next crop.
	N. T.	Gandhi bug	(4	Weed sanitation and eradication of
	1	En S	-	alternate hosts from rice fields and
	1	2		surrounding areas can help prevent the
)			multiplication of the Gandhi bug.
)	Similar	-	Mechanical control measures such as
		5		smoking the field, hand-picking of adults and nymphs have also been advocated.
Rabi Maize	Germination		4	Thinning must be done where more
Navi Maize	T. DUNKING D		_	population was observed.
	stage	AIZAWL	8	Irrigation should be provide 3 days
	1	Constitute:		interval
	1	5	4	Apply 2% urea solution for better
	\ \frac{1}{2} \cdots	5-		growth.
	1	1 5	4	Weeding and earthing up should be
) 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHN		more so apply any contact poison for
		V~		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and			-+	Irrigation should be provide 3 days
blackgram	26	Marin Marin V		interval
bidengiam		LUNGLEI	4	Apply 2% urea solution for better
	3			growth.
		5~	-	Weeding and earthing up should be
	- 7	11		carried out.
			#	Leaf and stem cutter insect will be
		1 7 6		more so apply any contact poison for
				reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	+	Irrigation should be provide 3 days
Soybean	stage	American services	-1-	interval
cultivation in		LAWNGTLAN	l .	Apply 2% urea solution for better
Jhum		# SAIHA		growth.
			*	Weeding and earthing up should be
7 ana 4111 an	0	7 and 4:11		carried out.
Zero tillage	Sowing stage	Zero tillage	*	Thinning must be done where more

4 | P a g e

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Toria		KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for
TIPODE A DI DI CO	0.7		reducing pest populatin.
VEGETABLE CR			
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop		preparation	cauliflower, broccoli and knolkhol.
F			

5 | Page

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

6 | Page

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7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
	()	1		conventional length.
) /	3	4	Application of FYM (1.5-2.0 kg/
		KOLASIB (m^2)
	1	NULHOID	V.	Line sowing of seeds (7-10cm)
)	LA Y	4	Irrigation must be provide to nursery
	(3 4 /		every alternative days.
Chilli	Nursery stage	(and)	4	Nursery preparation for tomato.
0	j and a surge	3	4	Raised bed, nursery bed
	, J			solarisation.
	MAMIT		4	Bed should be 1m width and
	2 10000000		5500	conventional length.
	1	(ATZAWL)	GHA	Application of FYM (1.5-2.0 kg/ m ²)
	1	1	4	Line sowing of seeds (7-10cm)
	1	()	1	Irrigation must be provide to nursery
	1	120	_	every alternative days.
Tomato	Nursery stage		4	Nursery preparation for tomato.
1011140	ridioory otago		4	Raised bed, nursery bed solarisation.
		SERCHN	+	Bed should be 1m width and
		V~		conventional length.
	(4	Application of FYM (1.5-2.0 kg/ m ²)
			+	Line sowing of seeds (7-10cm)
	Jii		-	Irrigation must be provide to nursery
	176	WWW.	3	every alternative days.
		Damping off	+	
	1		7	Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
	h.	w 85~	1	Drenching 1% Bordeaux mixture or 2 g
		15	1	captan or 3 copper oxychloride/ lt of water
		P 1/2 22 1	1	at 10-15 DAS are effective.
ANIMAL HUSBEI				
Pig	All stages	1 -3 7	+	Animals must keep in dry place or
			- 3	kept in alleviated area and dry bedding
		LAWNGTLAL		(straw) to be provided to young
		# SAIHA		animals.
			-	1st injection at 6 months of age and 2nd injection at 12 months of age
				followed by annual vaccination under
		200		ionowed by aimaa vaccination under

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	7	Porcine Reproductive Respiratory Syndrome (PRRS).	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) Culling of positive pigs or piglets.
Cattle	All age group	AIZAWL SERCHH	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	LAWNGTLAL	 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

8 | P a g e

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

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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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

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Minimum RH (%):71-83%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Rainfall: 15.6 mm

22ndNovember – 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-28°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 88-93% leh a hniam lai berin 45-65% 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: 28.0mm

NDVI for Mizoram

North East Region 29 Ann 2017

15 Service 1 and Service 1

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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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	 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	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.

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		100	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
		borer	ani.
	(f., C	
)	60°	♣ Sneg hmaih te lakkhawma paih vek tur
	8		ani.
	3	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	- J	7/	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVIL I	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		3	tak a hlawi tur ani.
)	7	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		_ SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
		1	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 -
	11		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
CEREALS AND PU	LSE CROPS		monsoon an kan chilunzawin tur am.
Rabi Maize	A chin hun	57	✓ Vaimim chinna tur atan lei kan let
Tabi Maizo		17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	(1 25 6	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-3	dah ang.
		1	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		The state of the s	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		1	♣ A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		P /	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

Contract	5		 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. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	W)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani. 4 Thlasik lai a lei khoro lutuk tur ven
gram	f.	1	nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage	1	♣ Muangchang loving alu chin na tur
1 0 0 0 0 0	Downing Stage	(AIZAVVI	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	1	lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	- 1		taka thlawh hmasak tur ani.
	1.0	~ 7	♣ A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		V-	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		tar por ann tar ann
Tomato	Bacterial Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	1		ani.
	5	n 8~	Tomato hi a uai a, a thih mai loh nan
		3	Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah
	1	1901	tur ani .
Early Cole	Black spot	1 63 4	4 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAN	Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
		Production of the contract of	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

5 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



7		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive measures	0-3 rd week	 ♣ Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
\$ mamm	4th weeks	♣ Coccidiosis- Amprolium or coccidiostat
TAXES CO.	4-5 th Weeks	↓ Calcium tonic fortified with B ₁₂
FISHERY	(AIZAWIL	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | P a g e

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/English Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	3	5	0	4	0
Max Temp (°C)	26	26	26	26	27
Min Temp (°C)	15	15	15	15	14
Cloud Coverage	Mainly cloudy	Partially clear	Clear sky	Partially clear	Clear sky
Max RH (%)	92	90	88	85	83
Min RH (%)	62	56	48	44	41
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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Cham

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

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

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

Maximum Tem. (°C):18-20°C
Minimum Tem. (°C):14°C
Maximum RH (%):86-95%
Minimum RH (%):69-81%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2-3 km/hr

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 26-27°C and 14-15°C. Maximum relative humidity is expected in the range of 85-92% and minimum may from 41-62%. Wind direction would be easterly with the wind speed of 2 km per hour. Partially clear will prevail during the next five days.

Rainfall: 05.3 mm

Weekly cumulative rainfall: 12.0 mm

NDVI for Mizoram

North East Segion 19- Jane 2017

| Part | Pa

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	♣ According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.	
BANANA	}	5	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D 	
STAR FRUIT	MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble	
PLUM AND PEACH	}		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.	
		Fruit fly RCH	▶ 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.	
	34	Gummosis,	♣ Due to low temperature and humidity	
		citrus canker,	disease appearance will more. Use Bordeaux	
	3	citrus greening and Dieback	past in tree trunk, twigs and branches protect healthy plant from soil borne disease.	
PLANTATION CR	ROP	7.00	accuse.	
COFFEE	Fruiting stage	LAWNGTLAL		
			support by bamboo stake. Replace dead plant with young seedlings.	
		0		
2 P a g e				

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

			4	Fertilizer dose should be maintained.
				uiting stage
				Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
	3.4	1		SSP @ 1.5 g per 200 lt of water 15 days
	1	7		interval.
	1	KOLASIB	4	Spray lantana camera leaf paste
	\ \frac{1}{2}	f., C	5	around 3 kg/16 lt water which will give
)	W)		effective control against drought
	5			condition.
	7	STATE	4	Due to high humidity, high
		5		temperature and less rainfall in hilly
	2			region of the district probability of rust
	J. WAINIT)		will be high. So apply Hexaconazole @ 1
	5	A STANK	S.	ml/10 lt of water.
Rubber	Vegetative	CONFESSION .	+	According to forecast and past weather
	stage)		record, there is no probability of
	1	1 6 /		rainfall. So weekly irrigation is required
	- /			for upcoming week or use straw mulch
	1		٦,	reduces soil water loss.
	1)		-	Use grass or straw mulch to prevent from waterloss.
		SERCHH	F.	Medium to young seedling should be
	-	V las		support by bamboo stake.
	-		4	10-12 kg of well rotten organic manure
	- 1			and 225 gm rock phosphate should be
			7	apply at time of planting to each pit as
		LUNGLEL		basal dose application.
Strawberry	Transplanting	TOTAL STREET		Plough the field properly.
	stage	000	+	Make bun in the field and cover with
		17 (~~		black mulch to reduce water
		9		transpiration and also weed control.
		155 6	-	Make hole in the upper side of the bun
			4	and mix FYM with soil properly. Apply water in every holes of the bun.
		1		Transplant young suckers in the bun.
CEREALS AND	PULSE CROPS			Transplant young oderers in the buil.
Kharif Rice	Physiological	- Complete Comp	4	According to forecast and past weather
	maturity	SAIHA		record, probability of rain will be less
	stage			and temperature will be high. So
		A solution		drainage channel shall be block the
		60		

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Mizoram Centre, Kolasib- 796081, MIZORAM

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
	Common Co.			bird damage.
		/	4	Make a channel around the field to
	3 1	21		drain excess water and also start
	1	V		planning for next crop.
	N. T.	Gandhi bug	4	Weed sanitation and eradication of
	1	En S	-	alternate hosts from rice fields and
	1	2		surrounding areas can help prevent the
)			multiplication of the Gandhi bug.
)	Similar	-	Mechanical control measures such as
		5		smoking the field, hand-picking of adults and nymphs have also been advocated.
Rabi Maize	Germination		4	Thinning must be done where more
Navi Maize	T. DUNKING D			population was observed.
	stage	AIZAWL	8	Irrigation should be provide 3 days
	1	Constitute:	Maria -	interval
	1	5	4	Apply 2% urea solution for better
	3	5-	_	growth.
	1	1 5	4	Weeding and earthing up should be
) 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHN		more so apply any contact poison for
		~		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and	Stage		-4	Irrigation should be provide 3 days
blackgram	26	Williams		interval
biackgrain		LUNGLEI	4	Apply 2% urea solution for better
	3			growth.
		500	4	Weeding and earthing up should be
	- 7	17	6	carried out.
			+	Leaf and stem cutter insect will be
		7 7		more so apply any contact poison for
				reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	4	Irrigation should be provide 3 days
Soybean	stage	Variation of the same of the s		interval
cultivation in		LAWNGTLAND		Apply 2% urea solution for better
Jhum		# SAIHA		growth.
			+	Weeding and earthing up should be
79 4 444	0	77 1144	-	carried out.
Zero tillage	Sowing stage	Zero tillage	*	Thinning must be done where more

4 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Toria			population was observed. Irrigation should be provide 3 days interval
			♣ Apply 2% urea solution for better
	2.1	1 5	growth.
	1	7	Weeding and earthing up should be
		KOLASIB	carried out with proper doses of
	1	6	fertilizer.
	1	W)	♣ Leaf and stem cutter insect will be
	>		more so apply any contact poison for
	1	5 6	reducing pest populatin.
VEGETABLE CR			
Ginger and	Vegetative		♣ According to forecast and past weather
turmeric	stage		record, probability of rain will be less
	3	Z AIZAWIL Z	and temperature will be high. So
			drainage channel shall be block the channel for maintain field moisture.
	1	3	Larthing up soil near the base of the
	1	1 66	plant along with fertilizer for better
	1	1 3 1	growth and development.
	1		♣ Due to high humidity, probability of
		SERCON	shoot borer infestation will be high.
		(SERUM	Apply insecticide like imidacloprid 0.5
	Y	The state of	ml or phosolone 1.5 ml or acephate 1.0
			g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting		+ After this, irrigation has to be withheld
	stage	Millione	to hasten maturity.
		LUNGLEI	Leaves have started turning yellow and
	1		some of them have fallen off, signaling the time for harvesting the corms.
	-	- F	Harvesting is done by carefully
		11	uprooting the plants and the mother
	8	P \(\alpha \)	corms and cormels are separated.
	į.		♣ One month prior to harvest, all the
	1) 55 Y	suckers may be wrapped around the
			base of the mother plant and covered
		LAWNGTLAN	with soil by earthing up, for arresting
		SAIHA	further vegetative growth and sprouting
	-	100	of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop		prepara tion	cauliflower, broccoli and knolkhol.

5 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

6 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
		1		conventional length.
	1 /	3	4	Application of FYM (1.5-2.0 kg/
	1	KOLASIB	·	m^2)
	1	NULHOID	V.	Line sowing of seeds (7-10cm)
)	LA N	4	Irrigation must be provide to nursery
	(3 4 /	_	every alternative days.
Chilli	Nursery stage	(200)	4	Nursery preparation for tomato.
	indicate y stage	3	4	Raised bed, nursery bed
	.J		_	solarisation.
	MAMIT		4	Bed should be 1m width and
	7 1000000	1		conventional length.
	30	(ATZAVVL	CHA	Application of FYM (1.5-2.0 kg/ m ²)
	1	7	-	11 (),
	1	(3	-	Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
	-	2 8 6	_	every alternative days.
Tomato	Numaceur atoms	- 1 3 4	-	Nursery preparation for tomato.
Tomato	Nursery stage		7	Raised bed, nursery bed solarisation.
		SERCHH	-	Bed should be 1m width and
		SERONN		conventional length.
	V	The start of	4	Application of FYM (1.5-2.0 kg/ m ²)
				Line sowing of seeds (7-10cm)
			-	Irrigation must be provide to nursery
	0.0	Umuns-m	1	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	1		1	Trichoderma viride 4g+ metalaxyl 4g
		5	1	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
		ft /	1	captan or 3 copper oxychloride/ lt of water
	1		1	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY			
Pig	All stages) 55 Y	4	Animals must keep in dry place or
		1	- 2	kept in alleviated area and dry bedding
		LAWNGTLAN		(straw) to be provided to young
		SAIHA	-	animals.
			*	1st injection at 6 months of age and
			and the	2nd injection at 12 months of age followed by annual vaccination under
		N R		ionowed by aimual vaccination under
			6.0	

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8 | P a g e

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

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SAIHA

LAWNGTLAL

10 | P a g e

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District: Champhai Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	3	5	0	4	0
Max Temp (°C)	26	26	26	26	27
Min Temp (°C)	15	15	15	15	14
Cloud Coverage	Mainly cloudy	Partially clear	Clear sky	Partially clear	Clear sky
Max RH (%)	92	90	88	85	83
Min RH (%)	62	56	48	44	41
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 STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

22ndNovember – 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

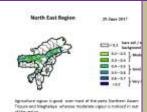
Maximum Tem. (°C):18-20°C
Minimum Tem. (°C):14°C
Maximum RH (%):86-95%
Minimum RH (%):69-81%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2-3 km/hr

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 26-27°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin of 85-92% leh a hniam lai berin 41-62% 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: 05.3 mm

Weekly cumulative rainfall: 12.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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1 | Page



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		E	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 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	(MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH)	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.

2 | Page

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			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
	100	1 6 1	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]	dah ang.
		1	
		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	A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			# m
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

4 | Page

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

5 | Page

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ANIMAL HUSBENDARY								
Pig	All stages	Porcine Reproductive	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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. Vawknote emaw vawk lak hran. 					
	{	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 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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 					
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

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57		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive measures	0-3 rd week	 ♣ Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
} MAMIT	4 th weeks	♣ Coccidiosis- Amprolium or coccidiostat
J. 1000.000	4-5 th Weeks	↓ Calcium tonic fortified with B ₁₂
FISHERY	(AIZAWIL	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | P a g e

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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period: 22 November - 26 November, 2017 District: Kolasib

Date of issue: 21st November, 2017 Bulletin No: - 750/2017/ Bulletin/English

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	6	0	0	0	0
Max Temp (°C)	30	31	31	30	29
Min Temp (°C)	17	16	16	16	15
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	95	88	82	85	82
Min RH (%)	66	51	54	53	48
Wind Speed (KmpH)	2	0	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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

(453.1mm)

Champhai- 268.78mm (301.30mm)

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

(301.8mm)

(430.2mm)Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

Mamit-197.57mm

Serchhip-247.35mm

Weather summary of the past three days

(376.0mm)Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):17°C Maximum RH (%):90-98% Minimum RH (%):68-81% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 15-17°C. Maximum relative humidity is expected in the range of 82-95% and minimum may from 48-66%. Wind direction would be easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 06.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | Page

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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	Fruiting stage	KOLASIB	♣ According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.							
BANANA		5	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D 							
STAR FRUIT	\$ MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble							
PLUM AND PEACH	3		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.							
	5	Fruit fly RCH	♣ 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.							
	3	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.							
PLANTATION CR	OP									
COFFEE	Fruiting stage	LAWNGTLAL	support by bamboo stake.							
		1 2 1	Replace dead plant with young seedlings.							
	<u> </u>									
		-	2 P a g e							

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



3 | Page

	5		 Fertilizer dose should be maintained. Fruiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste
	MAMIT		around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SERCHHIF	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as
Strawberry	Transplanting stage		basal dose application. Plough the field properly. Make bun in the field and cover with black mulch to reduce water transpiration and also weed control. Make hole in the upper side of the bun and mix FYM with soil properly. Apply water in every holes of the bun. Transplant young suckers in the bun.
CEREALS AND I			
Kharif Rice	Physiological maturity stage	SAIHA	♣ According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the

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			channel for maintain field moisture.
			♣ Harvest all mature panicle to reduce
			bird damage.
		2	♣ Make a channel around the field to
	1	_/	drain excess water and also start
	The state of	V	planning for next crop.
	1	Gandhi bug	■ Weed sanitation and eradication of
	1	La S	alternate hosts from rice fields and
	1	7	surrounding areas can help prevent the
)		multiplication of the Gandhi bug. ♣ Mechanical control measures such as
)	5	smoking the field, hand-picking of adults
		5	and nymphs have also been advocated.
Rabi Maize	Germination	(Thinning must be done where more
Rubi Maize	stage	1	population was observed.
	stage	AIZAWL	↓ Irrigation should be provide 3 days
	1	Carrent 1	interval
	1	j y	♣ Apply 2% urea solution for better
	A.		growth.
	1		♣ Weeding and earthing up should be
	1 6		carried out.
	1		♣ Leaf and stem cutter insect will be
		SERCHH	more so apply any contact poison for
	1	V~	reducing pest populatin.
Zero tillage	Germination	Zero tillage	♣ Thinning must be done where more
Greengram	stage		population was observed.
and			峰 Irrigation should be provide 3 days
blackgram	1	AVIII MARKETON	interval
g		LUNGLEI	♣ Apply 2% urea solution for better
	1		growth.
	-	- F	→ Weeding and earthing up should be
		17	carried out.
			Leaf and stem cutter insect will be
		100	more so apply any contact poison for
77 - 11 - 11 - 11	77 d - d *	77 4 14	reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	♣ Irrigation should be provide 3 days integral
Soybean	stage	A CHARLETT AND	interval
cultivation in		LAWNGTLAN	♣ Apply 2% urea solution for better growth.
Jhum		# SAIHA	Weeding and earthing up should be
			carried out.
Zero tillage	Sowing stage	Zero tillage	■ Thinning must be done where more
Leto tiliage	Downing stage	Zero critage	- Illining must be done where more

4 | P a g e

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Toria VEGETABLE CR		KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting
Early cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
		4 11 1	5 Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			♣ Raised bed, nursery bed
			solarisation.
			Bed should be 1m width and
			conventional length.
	3.3	- 1	♣ Application of FYM (1.5-2.0 kg/ m²)
	1 1	()	Line sowing of seeds (7-10cm)
		KOLASIB	, ,
	1	1	✓ Irrigation must be provide to nursery
)	66	every alternative days.
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
)		♣ Bed should be 1m width and
)	STATE	conventional length.
	- 1		♣ Application of FYM (1.5-2.0 kg/ m²)
			Line sowing of seeds (7-10cm)
	MAMIT		♣ Irrigation must be provide to nursery
	2 10000000		every alternative days.
	7	(ATERWAL	♣ Seed treatment with thiram 3g/kg seed or
	1	2 1	Trichoderma viride 4g+ metalaxyl 4g
	1	7	(Apron)/ kg seed
	1	1 6 1	♣ Drenching 1% Bordeaux mixture or 2 g
	- 1		captan or 3 copper oxychloride/ It of water
	2 6		at 10-15 DAS are effective.
French bean	Sowing stage		♣ Variable, healthy, well mature and pure
Fiench bean	Sowing stage	SERCHH	seeds should be sown.
		(~	♣ Optimum spacing for pole type 60 cm X
	V.	All	30 cm.
	- 1		♣ Before sowing seed should be treated
	- 1		with Rhizobium vermicompost@10
		William Ed	t/ha.
Capsicum	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
			♣ Bed should be 1m width and
		5	conventional length.
	- 7	11	Application of FYM (1.5-2.0 kg/ m ²)
			Line sowing of seeds (7-10cm)
	()	1 9 8	♣ Irrigation must be provide to nursery
			every alternative days.
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
			♣ Drenching 1% Bordeaux mixture or 2 g
		# SAIHA	captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
Brinjal	Nursery stage	N S N	Nursery preparation for Brinjal.
- Diiijai	I warsery stage		- marsery proparation bringar.

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
		6		conventional length.
) \	_^	4	Application of FYM (1.5-2.0 kg/
	The state of	KOLASIB		m^2)
	1	NULHSID	C.	Line sowing of seeds (7-10cm)
	1	60	7	Irrigation must be provide to nursery
	/			every alternative days.
Chilli	Nursery stage		_	
Ciliii	nursery stage	7	-	Nursery preparation for tomato.
	1		-	Raised bed, nursery bed
	12		_	solarisation.
	MAMIT	3	+	Bed should be 1m width and
	5	AIZAWL I	THE	conventional length.
	1	Constitue.	4	Application of FYM (1.5-2.0 kg/ m ²)
	1)	4	Line sowing of seeds (7-10cm)
	1		4	Irrigation must be provide to nursery
	1			every alternative days.
Tomato	Nursery stage		4	Nursery preparation for tomato.
			4	Raised bed, nursery bed solarisation.
		SERCHN	(+ 4)	Bed should be 1m width and
		V~		conventional length.
	(4	Application of FYM (1.5-2.0 kg/ m ²)
			+	Line sowing of seeds (7-10cm)
			-	Irrigation must be provide to nursery
	77	0.0000000000000000000000000000000000000	3	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	3		1	Trichoderma viride 4g+ metalaxyl 4g
	1.1	5		(Apron)/ kg seed
	. 7	11	1	Drenching 1% Bordeaux mixture or 2 g
			10	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBEI	NDARY			at 10-13 Dho are encenve.
Pig	All stages	LAY	4	Animals must keep in dry place or
5	1111 000800	1		kept in alleviated area and dry bedding
		language and the		(straw) to be provided to young
		LAWNGTLAN		animals.
		# SAIHA	4	1st injection at 6 months of age and
			Ĭ	2nd injection at 12 months of age
		1	-	followed by annual vaccination under
		0 1	00	V

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8 | P a g e

	5	Porcine	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) Culling of positive pigs or piglets.
	}	Reproductive Respiratory Syndrome (PRRS).	
Cattle	All age group	AIZAWL	 ♣ In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. ♣ Provide UMB/Molases if possible in the feed ♣ Provide 10-30 ml of vitamin B-Complex in feed ♣ 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. ♣ Separate sick animals. ♣ The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. ♣ Long hair near the udder/stomach/back legs should be
Poultry	All age group	LAWNGTLAL	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.
		60	VI.

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

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Max RH (%)	95	88	82	85	82
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Wind Speed (KmpH)	2	0	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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

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Kolasib- 247.17mm

(430.2mm)

(301.30mm)

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Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

22ndNovember - 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):17°C Maximum RH (%):90-98% Minimum RH (%):68-81% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-31°C a ni ang a. A vawh lai ber in 15-17ºC ni tura beisei a ni. RH san lai berin 82-95% leh a hniam lai berin 48-66% 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: 06.0mm

NDVI for Mizoram

Rainfall: 00.0 mm

Moderately wet mildly dry/mildly wet conditions

1 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
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	1	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	 Nursery stage In Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. In 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. In Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. In Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. In Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	3.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	1	U. BOTOL	♣ Hmaih neih nuaih loh tur ani.
)	PW 3	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	X	1	♣ Seng bang zawng zawng chu uluka taka
		3	paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	Samuer		tur ani.
	MAMIT		Hmun dam lutukah dah loh tur.
	1	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 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	
		(Control of the cont	robusta cherry 11.0 %.
	V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		1	dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	DIVI OR ORODO	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		270	
Rabi Maize	A chin hun	m t~	→ Vaimim chinna tur atan lei kan let
	1	31	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	1) -4 7	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leaven and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	6/
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 4 6	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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4 | Page

	5		K ₂ 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	W)	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 Potato	Coming 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
	3	5	lakah a veng dawn ani.
	1	1 54	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 0		4 A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that their nan nikhat danah
VEGETABLE CR	OP		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 hmunah chuan natna an kai hma bik
	3		ani.
		m Em	👍 Tomato hi a uai a, a thih mai loh nan
		16	Ridomil emaw Indofil emaw Mancozeb
	((4 20)	@ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole	Black spot	1 17 7	4 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAL	Thlai bul vawn hnawn nana thlai bula
		# SAIHA	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		1	♣ Zikhlum lam chi ah chuan sik leh • • • • • • • • • • • • • • • • • • •
			sa vangin a hnah ah thil dum rawn
		and the state of	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week 4th weeks	 Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or
	} MAMIT		coccidiostat
_	2. 111251111	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	1	(ATZAWIL	CHAMPAL
	Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI LAWNGTLAL SAIHA	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | P a g e

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/English Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	7	0	0	0	0
Max Temp (°C)	26	28	28	28	29
Min Temp (°C)	19	18	18	19	17
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	88	80	78	75	74
Min RH (%)	60	50	51	54	53
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	N-E	N-E	N-E	N-W	N-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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Ch

Champhai- 268.78mm (301.30mm)

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm

(430.2mm) Lawngtlai-291.20mm

Lunglei-370.28mm

Mamit-197.57mm

(372.0mm) Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

1 | Page

Weather summary of the past three days

Maximum Tem. (°C):21-24°C Minimum Tem. (°C):15-17°C

Maximum RH (%):91-97%

Minimum RH (%):71-83% Wind Direction: Southeasterly

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

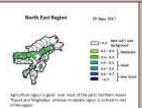
Rainfall: 00.0 mm

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 26-29°C and 17-19°C. Maximum relative humidity is expected in the range of 74-88% and minimum may from 50-60%. Wind direction would be northeasterly to northwesterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 07.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal					
Animal		practices/ Pest/	husbandry advisories					
/Fisheries		Diseases						
FRUITS CROPS								
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.					
BANANA	7	5-6	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D 					
STAR FRUIT	\$ MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble					
PLUM AND PEACH	35		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.					
	5	Fruit fly RCH	♣ 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.					
	3	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.					
PLANTATION CR	OP							
COFFEE	Fruiting stage	LAWNGTLAUSAIHA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young 					
		201	seedlings.					
		1 / V	2 P a g e					

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Mizoram Centre, Kolasib- 796081, MIZORAM

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3 | Page

	5		Fr	Fertilizer dose should be maintained. uiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days
		KOLASIB	\ <u>+</u>	interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought
	MAMIT		4	condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage		+	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
	1	SERCHN	F.	Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake.
		LUNGLEI		10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry	Transplanting stage	N	+	Plough the field properly. Make bun in the field and cover with black mulch to reduce water transpiration and also weed control.
		YW !	4	Make hole in the upper side of the bun and mix FYM with soil properly. Apply water in every holes of the bun. Transplant young suckers in the bun.
CEREALS AND I		LEATHINIER		
Kharif Rice	Physiological maturity stage	SAIHA	+	According to forecast and past weather record, probability of rain will be less and temperature will be high. So
		20		drainage channel shall be block the

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Mizoram Centre, Kolasib- 796081, MIZORAM

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
				bird damage.
		2	4	Make a channel around the field to
	1	_/		drain excess water and also start
	The state of	V		planning for next crop.
	1	Gandhi bug	(4	Weed sanitation and eradication of
	1	La S	20	alternate hosts from rice fields and
	1	7		surrounding areas can help prevent the
)			multiplication of the Gandhi bug. Mechanical control measures such as
)	5	-	smoking the field, hand-picking of adults
		5		and nymphs have also been advocated.
Rabi Maize	Germination	(4	Thinning must be done where more
Rubi Maize	stage	1		population was observed.
	stage	AIZAWL	84	Irrigation should be provide 3 days
	1	Carrent 1		interval
	1	j y	4	Apply 2% urea solution for better
	A.			growth.
	1		4	Weeding and earthing up should be
	1 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHH	i E	more so apply any contact poison for
	1	V~		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and			=+	Irrigation should be provide 3 days
blackgram	1	AVIII MARKETON		interval
2-40 8 -41		LUNGLEI	+	Apply 2% urea solution for better
	1			growth.
			-	Weeding and earthing up should be
		ft / / /		carried out.
			+	Leaf and stem cutter insect will be
		7 ()		more so apply any contact poison for
		7		reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	*	Irrigation should be provide 3 days
Soybean	stage	A commercial		interval
cultivation in		LAWNGTLAN		Apply 2% urea solution for better
Jhum		# SAIHA		growth. Weeding and earthing up should be
			_ *	carried out.
Zero tillage	Sowing stage	Zero tillage	4	Thinning must be done where more
Leto tiliage	Sowing stage	Zero tinage	-	must be done where more

4 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Toria		KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.
VEGETABLE CR	OP		S.F. F.
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop		prepara tion	cauliflower, broccoli and knolkhol.
		1	5 D

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
	()	1		conventional length.
	1 /	3	4	Application of FYM (1.5-2.0 kg/
	1	KOLASIB (·	m^2)
	1	NULHOID	V.	Line sowing of seeds (7-10cm)
)	an 1	4	Irrigation must be provide to nursery
	(3 4 /	_	every alternative days.
Chilli	Nursery stage	()	4	Nursery preparation for tomato.
V	indicate y stage	3	4	Raised bed, nursery bed
	.J		_	solarisation.
	MAMIT		4	Bed should be 1m width and
	7 1000000	\(conventional length.
	3	(ATZAVVL	CHA	Application of FYM (1.5-2.0 kg/ m ²)
	1	7	-	11 (),
	1	3	-	Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
	-	1 85	_	every alternative days.
Tomato	Numaceur atoms	- 1 3 4	-	Nursery preparation for tomato.
Tomato	Nursery stage		7	Raised bed, nursery bed solarisation.
		SERCHH	-	Bed should be 1m width and
		SERGIN	-	conventional length.
	V	The start of	4	Application of FYM (1.5-2.0 kg/ m ²)
				Line sowing of seeds (7-10cm)
			-	Irrigation must be provide to nursery
	0.0	Umune-m	1	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	1		7	Trichoderma viride 4g+ metalaxyl 4g
		500	1	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
		ft / / /	1	captan or 3 copper oxychloride/ lt of water
	1		1	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY			
Pig	All stages) 55 Y	4	Animals must keep in dry place or
			- Q	kept in alleviated area and dry bedding
		LAWNGTLAN		(straw) to be provided to young
		SAIHA	-	animals.
			*	1st injection at 6 months of age and
			and the	2nd injection at 12 months of age followed by annual vaccination under
		N R I		ionowed by aimual vaccination under
			6.0	

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	Porcine Reproductive Respiratory Syndrome (PRRS).	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) Culling of positive pigs or piglets.
Cattle All age group	AIZAWAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry All age group	LAWNGTLAL	 ♣ 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 everywating
	112	8 P a g e

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

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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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District: Lawngtlai Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	7	0	0	0	0
Max Temp (°C)	26	28	28	28	29
Min Temp (°C)	19	18	18	19	17
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	88	80	78	75	74
Min RH (%)	60	50	51	54	53
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	N-E	N-E	N-E	N-W	N-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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai-

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):21-24°C

Minimum Tem. (°C):15-17°C Maximum RH (%):91-97%

Maximum RH (%):91-97% Minimum RH (%):71-83%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

22ndNovember – 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 26-29°C a ni ang a. A vawh lai ber in 17-19°C ni tura beisei a ni. RH san lai berin 74-88% leh a hniam lai berin 50-60% 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: 07.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A 1 18 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 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	(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.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2. 1	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	1	0	♣ Hmaih neih nuaih loh tur ani.
)	W. J	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	1	the second of	♣ Seng bang zawng zawng chu uluka taka
	- 1	2	paih fai vek tur ani.
	. J	20	👃 A thlai vennan a rah tlai ho chu paih vek
	S consider		tur ani.
	J. WAINIT	Λ	Hmun dam lutukah dah loh tur.
	§	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	1	3	rawn chawr no theih nan thlai chu uluk
))	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25
	- /	1 1	EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	0 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		SEROIN .	robusta cherry 11.0 %.
	<u> </u>	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
	1		dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
	1		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		F-10-10-10-10-10-10-10-10-10-10-10-10-10-	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PUI		2776	
Rabi Maize	A chin hun	W S	→ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	8		Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
	1	1 60 7	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		to a market and a 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
		100	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1111	3 Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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4 | Page

Contract	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram		7	Lei rih vur hian thlai kung te a veng ve
and black	3	5	ani. 4 Thlasik lai a lei khoro lutuk tur ven
gram cultivation in		5	nan a chungah hnim leh thildanga
rice fellow	3 MAMIT		khuh tur ani.
Potato	Sowing stage	AIZAWL	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
)		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 1/4	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3.0	~ / /	A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		V- Jackonin	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		0011 p 011 0111 0011
Tomato	Bacterial		+ Tomato bikah chuan sik leh sa hi
	Blight disease	National Control of the Control of t	natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk
		LUNGLEI	hmunah chuan natna an kai hma bik
	1	yma	ani.
	-	n ?~	Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		177 6	tur ani .
Early Cole	Black spot	1 5 4	A than a that their nan nikhat danah
crop	disease		tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	sa vangin a ililah ah ulii uulii lawii

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	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

5 | P a g e

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ANIMAL HUSBENDARY								
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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. 					
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.					
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.					
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.					
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.					
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 					
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

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			 ♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tu ani. ♣ Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive measures	0-3 rd week 4th weeks	 ♣ Ranikhet Disease- an pian atanga magamata-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tu ani. ♣ B complex with antibodies ♣ Coccidiosis- Amprolium o
	} MAGMIT		coccidiostat
	2. 100000000	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
Stocking and monitoring (Sangha chhuah leh enkawl)		LUNGLEI	Dil tui fim lutuk ah chuan sanghachaw (plankton) a lo insiam theihnam plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai lol enfiah reng thin tur ani. Sangha pan lo awm anih chuan dil tuiah CIFAX @ litre/ha (hectare khat ah litre khat pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common cart tlem a zawng chhuah thin ani a common carp te hian dil hnim zun atangin a phawi thin ani Sangha hriselna, a than dan leh a chat pek zat tur hriatna turin thla tin

7 | P a g e

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SAIHA

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8 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Period: 22 November - 26 November, 2017 **District:** Lunglei

Date of issue: 21st November, 2017 Bulletin No: - 750/2017/ Bulletin/English

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	6	4	0	6	0
Max Temp (°C)	29	31	30	30	29
Min Temp (°C)	17	16	16	15	15
Cloud Coverage	Mainly cloudy	Partially clear	Clear sky	Partially clear	Clear sky
Max RH (%)	88	85	87	88	80
Min RH (%)	66	47	48	50	47
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	N-E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm (301.30mm)

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

(430.2mm)Lawngtlai-291.20mm

Lunglei-370.28mm

Mamit-197.57mm

(372.0mm)Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

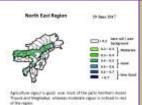
Maximum Tem. (°C):17-19°C Minimum Tem. (°C):13°C Maximum RH (%):87-94% Minimum RH (%):75-81% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 15-17°C. Maximum relative humidity is expected in the range of 80-88% and minimum may from 47-66%. Wind direction would be northeasterly to easterly with the wind speed of 2 km per hour. Partially clear will prevail during the next five days.

Weekly cumulative rainfall: 16.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	5	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D
STAR FRUIT	MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble
PLUM AND PEACH	}		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
	5	Fruit fly RCH	▶ 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.
	34	Gummosis,	♣ Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
	2.4	and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LAWNGTLAN	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Replanting of new seedling
		SAIHA	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings.
		112	2 P a g e

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3 | Page

			4	Fertilizer dose should be maintained.
				uiting stage
				Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
	3.4	1		SSP @ 1.5 g per 200 lt of water 15 days
	1	7		interval.
	1	KOLASIB	4	Spray lantana camera leaf paste
	¥	f., C	-5	around 3 kg/16 lt water which will give
)	W)		effective control against drought
	5			condition.
)	5	4	Due to high humidity, high
		5		temperature and less rainfall in hilly
	2			region of the district probability of rust
	J. WAMIT	1		will be high. So apply Hexaconazole @ 1
	5	Z ANZAWAL)		ml/10 lt of water.
Rubber	Vegetative	A STATE OF THE STA	+	According to forecast and past weather
	stage)		record, there is no probability of
	1	1 6 6		rainfall. So weekly irrigation is required
	1			for upcoming week or use straw mulch
	2 6	~ Y		reduces soil water loss.
	1)		-	Use grass or straw mulch to prevent from waterloss.
		SERCHN	lF.	Medium to young seedling should be
	-	V Lag		support by bamboo stake.
	-		4	10-12 kg of well rotten organic manure
	- 4			and 225 gm rock phosphate should be
	1			apply at time of planting to each pit as
		LUNGLEL		basal dose application.
Strawberry	Transplanting	THE PROPERTY OF THE PROPERTY O		Plough the field properly.
	stage	575	+	Make bun in the field and cover with
		11 (~		black mulch to reduce water
				transpiration and also weed control.
		135 6	-	Make hole in the upper side of the bun and mix FYM with soil properly.
		1 5 3	4	Apply water in every holes of the bun.
		(3		Transplant young suckers in the bun.
CEREALS AND	PULSE CROPS		-	
Kharif Rice	Physiological	PATTIA	4	According to forecast and past weather
	maturity	SAIHA		record, probability of rain will be less
	stage		-	and temperature will be high. So
				drainage channel shall be block the
		Con Contraction of the Contracti		

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
				bird damage.
		2	4	Make a channel around the field to
	1	_/		drain excess water and also start
	The state of	V		planning for next crop.
	1	Gandhi bug	(4	Weed sanitation and eradication of
	1	La S	20	alternate hosts from rice fields and
	1	7		surrounding areas can help prevent the
)			multiplication of the Gandhi bug. Mechanical control measures such as
)	5	-	smoking the field, hand-picking of adults
		5		and nymphs have also been advocated.
Rabi Maize	Germination	(4	Thinning must be done where more
Rubi Maize	stage	1		population was observed.
	stage	AIZAWL	84	Irrigation should be provide 3 days
	1	Carrent 1		interval
	1	j y	4	Apply 2% urea solution for better
	A.			growth.
	1		4	Weeding and earthing up should be
	1 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHH	i E	more so apply any contact poison for
	1	V~		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and			=+	Irrigation should be provide 3 days
blackgram	1	AVIII MARKETON		interval
		LUNGLEI	+	Apply 2% urea solution for better
	1			growth.
			-	Weeding and earthing up should be
		17		carried out.
			+	Leaf and stem cutter insect will be
		100		more so apply any contact poison for
		7		reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	*	Irrigation should be provide 3 days
Soybean	stage	A commercial		interval
cultivation in		LAWNGTLAN		Apply 2% urea solution for better
Jhum		# SAIHA	4	growth. Weeding and earthing up should be
			_ *	carried out.
Zero tillage	Sowing stage	Zero tillage	4	Thinning must be done where more
Zero tiliage	Sowing stage	Zero tinage	-	must be done where more

4 | P a g e

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Toria VEGETABLE CR		KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting
Early cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
		LAT L	5 Page

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			Raised bed, nursery bed solarisation.
		5	♣ Bed should be 1m width and
	()	1	conventional length.
) \	-1	Application of FYM (1.5-2.0 kg/ m²)
		KOLASIB	Line sowing of seeds (7-10cm)
	1	Thomasons -	✓ Irrigation must be provide to nursery
	77	A	every alternative days.
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.Bed should be 1m width and
	- 7		conventional length.
	J.	3	♣ Application of FYM (1.5-2.0 kg/ m²)
	, J	7	Line sowing of seeds (7-10cm)
	MAMIE		♣ Irrigation must be provide to nursery
	2. 10000000		every alternative days.
	1	(MENVIL	♣ Seed treatment with thiram 3g/kg seed or
		1	Trichoderma viride 4g+ metalaxyl 4g
	\	((Apron)/ kg seed
	1	122	♣ Drenching 1% Bordeaux mixture or 2 g
) 6		captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage		♣ Variable, healthy, well mature and pure
French bean	Sowing stage	_ SERCHN	, J
		V~	♣ Optimum spacing for pole type 60 cm X
	1		30 cm.
			♣ Before sowing seed should be treated
	Ji		with Rhizobium vermicompost@10
		MHARMAN	t/ha.
Capsicum	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
			Bed should be 1m width and
	1	m Em	conventional length.
		11	Application of FYM (1.5-2.0 kg/ m²)
	(C Vai Si V	Line sowing of seeds (7-10cm)
	į		♣ Irrigation must be provide to nursery
			every alternative days. Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		LAWNGTLAN	(Apron)/ kg seed
		SAIHA	Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
D • • • •	***		at 10-15 DAS are effective.
Brinjal	Nursery stage	N R (♣ Nursery preparation for Brinjal.

6 | Page

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7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
		6		conventional length.
) \	-1	4	Application of FYM (1.5-2.0 kg/
	The state of	KOLASIB		m^2)
	1	NULHSID	C.	Line sowing of seeds (7-10cm)
	1	60	7	Irrigation must be provide to nursery
	/		_	every alternative days.
Chilli	Nursery stage		_	
Ciliii	nursery stage	7	-	Nursery preparation for tomato.
	1		-	Raised bed, nursery bed
	12		_	solarisation.
	MAMIT	3	+	Bed should be 1m width and
	5	AIZAWL I	THE	conventional length.
	1	Constitue.	4	Application of FYM (1.5-2.0 kg/ m ²)
	1)	4	Line sowing of seeds (7-10cm)
	1		4	Irrigation must be provide to nursery
	1			every alternative days.
Tomato	Nursery stage		4	Nursery preparation for tomato.
			4	Raised bed, nursery bed solarisation.
		SERCHN	(F#)	Bed should be 1m width and
		V~	A	conventional length.
	(4	Application of FYM (1.5-2.0 kg/ m ²)
			4	Line sowing of seeds (7-10cm)
			+	Irrigation must be provide to nursery
	77(USU US-CU	1	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	3		1	Trichoderma viride 4g+ metalaxyl 4g
	. /	575	1	(Apron)/ kg seed
	. 7	17	1	Drenching 1% Bordeaux mixture or 2 g
)		10	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBEI	NDARY			at 10-13 DAS are enective.
Pig	All stages		4	Animals must keep in dry place or
**5	THI Stuges			kept in alleviated area and dry bedding
		Large was a super and		(straw) to be provided to young
		LAWNGTLAN		animals.
		SAIHA	4	1st injection at 6 months of age and
			7	2nd injection at 12 months of age
		1	-	followed by annual vaccination under
	1	0 0		J to the

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	5	Porcine	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) Culling of positive pigs or piglets.
	}	Reproductive Respiratory Syndrome (PRRS).	
Cattle	All age group	AIZAWL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be
Poultry	All age group	LAWNGTLAL	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.
		6	VI.

8 | P a g e

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

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SAIHA

LAWNGTLAL

10 | P a g e

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District: Lunglei Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	6	4	0	6	0
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Max RH (%)	88	85	87	88	80
Min RH (%)	66	47	48	50	47
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	N-E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

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

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

(430.2mm)Lawngtlai-291.20mm

(301.30mm)Lunglei-370.28mm

Serchhip-247.35mm **Mamit-197.57mm**

(453.1mm)(371.4mm) (376.0mm)

(301.8mm)

Weather summary of the past three days

22ndNovember - 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):17-19°C Minimum Tem. (°C):13°C Maximum RH (%):87-94% Minimum RH (%):75-81% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-31°C a ni ang a. A vawh lai ber in 15-17°C ni tura beisei a ni. RH san lai berin 80-88% leh a hniam lai berin 47-66% 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: 16.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | Page

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2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	A 1 14 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 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	(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.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			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
		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
	7.	√ AIZAVVI	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 ₂ O ₅ leh
		VIN	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

4 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	5	KOLASIB	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive Respiratory	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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. Vawknote emaw vawk lak hran.
	{	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAUSAIHA	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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive measures	0-3 rd week	 ♣ Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
} mem	4 th weeks	♣ Coccidiosis- Amprolium or coccidiostat
2 0000	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	(AIZAVVI.	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)		Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/English Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	8	8	0	0	0
Max Temp (°C)	29	30	30	30	30
Min Temp (°C)	17	17	17	16	16
Cloud Coverage	Mainly cloudy	Partially clear	Clear sky	Clear sky	Clear sky
Max RH (%)	88	85	78	75	80
Min RH (%)	76	50	53	52	44
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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Ch

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm) Lunglei-370.28mm (367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):18-20°C Maximum RH (%):92-98%

Minimum RH (%):75-84% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

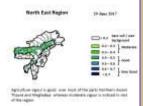
Rainfall: 04.3 mm

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 16-17°C. Maximum relative humidity is expected in the range of 75-88% and minimum may from 44-76%. Wind direction would be easterly with the wind speed of 2 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 16.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal					
Animal		practices/ Pest/	husbandry advisories					
/Fisheries		Diseases						
FRUITS CROPS								
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.					
BANANA	1	5-7-	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D 					
STAR FRUIT	\$ MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble					
PLUM AND PEACH	35		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.					
	5	Fruit fly RCH	♣ 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.					
	3	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.					
PLANTATION CR	OP							
COFFEE	Fruiting stage	LAWNGTLAL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young 					
		200	seedlings.					
		1111	2 P a g e					

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

	57		Fr	Fertilizer dose should be maintained. uiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days
		KOLASIB	3	interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.
	} MAMIT			Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage		+	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
	1	SERCHN	+	Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake.
Strowsh ower	Transplanting	LUNGLEI		10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry	Transplanting stage	1	4	Plough the field properly. Make bun in the field and cover with black mulch to reduce water transpiration and also weed control. Make hole in the upper side of the bun
CEREALS AND I	DIII SE CDODS	PW /	4	and mix FYM with soil properly. Apply water in every holes of the bun. Transplant young suckers in the bun.
Kharif Rice	Physiological maturity stage	SAIHA	+	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the

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Mizoram Centre, Kolasib- 796081, MIZORAM

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
				bird damage.
		2	4	Make a channel around the field to
) [_/		drain excess water and also start
		V		planning for next crop.
	J.	Gandhi bug	(+	Weed sanitation and eradication of
	1	La S	-	alternate hosts from rice fields and
	1	7		surrounding areas can help prevent the
)		_	multiplication of the Gandhi bug. Mechanical control measures such as
)	5	-	smoking the field, hand-picking of adults
	1	5		and nymphs have also been advocated.
Rabi Maize	Germination	(4	Thinning must be done where more
Rabi Maize	stage	1		population was observed.
	stage	AIZAWL	4	Irrigation should be provide 3 days
	1	Carrent 1		interval
	1	j y		Apply 2% urea solution for better
	A.			growth.
	1		4	Weeding and earthing up should be
	1 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHH	ΙĒ	more so apply any contact poison for
	1	V~		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and			-	Irrigation should be provide 3 days
blackgram	1	NATION STATES		interval
		LUNGLEI	+	Apply 2% urea solution for better
	1			growth.
			-	Weeding and earthing up should be
		ft / / /		carried out.
			+	Leaf and stem cutter insect will be
		7 ()		more so apply any contact poison for
	**	7		reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	-	Irrigation should be provide 3 days
Soybean	stage	A commercial		interval
cultivation in		LAWNGTLAN		Apply 2% urea solution for better
Jhum		# SAIHA		growth. Weeding and earthing up should be
			_ +	carried out.
Zero tillage	Sowing stage	Zero tillage	4	Thinning must be done where more
Leto tiliage	Sowing stage	Zero tinage	-	mining must be done where more

4 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	1		
Toria		KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.
VEGETABLE CR	OP		reading post population.
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesti <mark>ng</mark> stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop		preparation	cauliflower, broccoli and knolkhol.
			5 I D

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

6 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
	()	1		conventional length.
	1 /	3	4	Application of FYM (1.5-2.0 kg/
	1	KOLASIB	·	m^2)
	1	NULHOID	V.	Line sowing of seeds (7-10cm)
)	an 1	4	Irrigation must be provide to nursery
	(3 4 /	_	every alternative days.
Chilli	Nursery stage	(200)	4	Nursery preparation for tomato.
	indicate y stage	3	4	Raised bed, nursery bed
	.J		_	solarisation.
	MAMIT		4	Bed should be 1m width and
	7 1000000	1		conventional length.
	30	(ATZAVVL	CHA	Application of FYM (1.5-2.0 kg/ m ²)
	1	7	-	11 (),
	1	(3	-	Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
	-	2 8 6	_	every alternative days.
Tomato	Numaceur atoms	- 1 3 3	-	Nursery preparation for tomato.
Tomato	Nursery stage		7	Raised bed, nursery bed solarisation.
		SERCHH	-	Bed should be 1m width and
		SERONN	-	conventional length.
	V	The start of	4	Application of FYM (1.5-2.0 kg/ m ²)
				Line sowing of seeds (7-10cm)
			-	Irrigation must be provide to nursery
	0.0	0.0000000000000000000000000000000000000	1	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	1		7	Trichoderma viride 4g+ metalaxyl 4g
		500	1	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
		17	1	captan or 3 copper oxychloride/ lt of water
	7		1	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		•	
Pig	All stages) -3 Y	+	Animals must keep in dry place or
		1	1	kept in alleviated area and dry bedding
		LAWNGTLAN		(straw) to be provided to young
		SAIHA	= _	animals.
			*	1st injection at 6 months of age and
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		2nd injection at 12 months of age followed by annual vaccination under
		2 2	-	ionowed by aimuai vacemation under
			B	

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	Porcine Reproductive Respiratory Syndrome (PRRS).	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) Culling of positive pigs or piglets.
Cattle All age group	AIZAWAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry All age group	LAWNGTLAL	 ♣ 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 ♣ Avaid everywating
	112	8 P a g e

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

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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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District: Mamit Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	8	8	0	0	0
Max Temp (°C)	29	30	30	30	30
Min Temp (°C)	17	17	17	16	16
Cloud Coverage	Mainly cloudy	Partially clear	Clear sky	Clear sky	Clear sky
Max RH (%)	88	85	78	75	80
Min RH (%)	76	50	53	52	44
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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):26-29°C

Minimum Tem. (°C):18-20°C

Maximum RH (%):92-98%

Minimum RH (%):75-84%

Wind Direction: Southeasterly

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

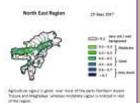
Rainfall: 04.3 mm

22ndNovember – 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 44-76% leh a hniam lai berin 30-53% 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: 16.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur 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]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	1	5	Kell tul lakalı t a veliğ ülel alıl.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			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.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CECE	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	7 7	→ Vaimim chinna tur atan lei kan let
		31	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.
		Leavent and	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
		N N	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
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	5		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

4 | P a g e

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	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

5 | Page

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ANIMAL HUSBENDARY							
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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. 				
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 				
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

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Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
measures	h 2	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
\$ INFONT	4 th weeks	Coccidiosis- Amprolium or coccidiostat
FISHERY	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | Page

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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/English Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	4	0	0	0	0
Max Temp (°C)	30	30	30	30	30
Min Temp (°C)	17	17	17	16	16
Cloud Coverage	Mainly cloudy	Mainly clear	Clear sky	Clear sky	Mainly clear
Max RH (%)	87	85	80	78	75
Min RH (%)	52	48	46	46	49
Wind Speed (KmpH)	2	4	4	2	2
*Wind Direction	N-E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm

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

Mamit-197.57mm

(372.0mm) Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

Maximum Tem. (°C):17-18°C
Minimum Tem. (°C):14-15°C
Maximum RH (%):85-96%
Minimum RH (%):73-82%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2 km/hr

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 30°C and 16-17°C. Maximum relative humidity is expected in the range of 75-87% and minimum may from 46-52%. Wind direction would be northeasterly to easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	5	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D
STAR FRUIT	MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble
PLUM AND PEACH	}		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
	5	Fruit fly RCH	▶ 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.
	34	Gummosis,	♣ Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
	20/4	and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LAWNGTLAN	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Replanting of new seedling
		SAIHA	
		1/1/	2 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

			Fr	Fertilizer dose should be maintained. uiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
) /	KOLASIB	Ç 4	SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste
	}	W (1)		around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high
	MAMIT		e e	temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage		4	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch
	35		4	reduces soil water loss. Use grass or straw mulch to prevent from waterloss.
		SERCHN		Medium to young seedling should be support by bamboo stake.
		LUNGLEL	•	10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry	Transplanting			Plough the field properly.
	stage	5%	-	Make bun in the field and cover with
	. 7	11		black mulch to reduce water transpiration and also weed control.
			4	Make hole in the upper side of the bun
		7 5	-	and mix FYM with soil properly.
		J -2 1		Apply water in every holes of the bun.
CEDEALS AND	DILL OF OPORG	A STATE OF THE STA	+	Transplant young suckers in the bun.
CEREALS AND I		Franklin Frank		According to forecast and next weather
Kharif Rice	Physiological maturity	# SAIHA	-	According to forecast and past weather record, probability of rain will be less
	stage			and temperature will be high. So
	stage	V S		drainage channel shall be block the
		6	(1)	

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
				bird damage.
		2	4	Make a channel around the field to
) [_/		drain excess water and also start
		V		planning for next crop.
	J.	Gandhi bug	(+	Weed sanitation and eradication of
	1	La S	-	alternate hosts from rice fields and
	1	7		surrounding areas can help prevent the
)		_	multiplication of the Gandhi bug.
)	5	-	Mechanical control measures such as smoking the field, hand-picking of adults
	1	5		and nymphs have also been advocated.
Rabi Maize	Germination		4	Thinning must be done where more
Rubi Maize	stage	1		population was observed.
	stage	AIZAWL	84	Irrigation should be provide 3 days
	1	Carrent 1		interval
	1	j y		Apply 2% urea solution for better
	1			growth.
	1		4	Weeding and earthing up should be
	1 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHN		more so apply any contact poison for
		V~1		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and			=+	Irrigation should be provide 3 days
blackgram		NAME AND POST OF		interval
2-40-1-8-4-1-1		LUNGLEI	+	Apply 2% urea solution for better
	1			growth.
		500	-	Weeding and earthing up should be
	. 7	17		carried out.
			+	Leaf and stem cutter insect will be
		137 6		more so apply any contact poison for
				reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	+	Irrigation should be provide 3 days
Soybean	stage			interval
cultivation in		LAWNGTLAN		Apply 2% urea solution for better
Jhum		# SAIHA		growth.
			-	Weeding and earthing up should be
7 and 4211 are	Coming at a	Zana Aillana	-	carried out.
Zero tillage	Sowing stage	Zero tillage	*	Thinning must be done where more

4 | P a g e

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Toria VEGETABLE CR	OP	KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting
Early cole crop	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.
0.00		7	5 P a g e

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

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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7 | Page

			4	Raised bed, nursery bed
				solarisation.
		1	4	Bed should be 1m width and
	()	6		conventional length.
) \		4	Application of FYM (1.5-2.0 kg/
	1	KOLASIB		m^2)
	1	NULHSID	C.	Line sowing of seeds (7-10cm)
	1	60	7	Irrigation must be provide to nursery
	/		_	every alternative days.
Chilli	Nursery stage		_	
Ciliii	nursery stage		-	Nursery preparation for tomato.
	1		-	Raised bed, nursery bed
	3		_	solarisation.
	MAMIT	1	+	Bed should be 1m width and
	5	AIZAWL I	THE	conventional length.
	1	Constitue.	4	Application of FYM (1.5-2.0 kg/ m ²)
	1)	4	Line sowing of seeds (7-10cm)
	1		4	Irrigation must be provide to nursery
	1			every alternative days.
Tomato	Nursery stage		4	Nursery preparation for tomato.
	(10)		4	Raised bed, nursery bed solarisation.
		SERCHN	(F#)	Bed should be 1m width and
		V~	- A	conventional length.
	(4	Application of FYM (1.5-2.0 kg/ m ²)
			+	Line sowing of seeds (7-10cm)
			-	Irrigation must be provide to nursery
	0.0	0.0000000000000000000000000000000000000	1	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	3		1	Trichoderma viride 4g+ metalaxyl 4g
	. 1	5		(Apron)/ kg seed
	. 7	17	1	Drenching 1% Bordeaux mixture or 2 g
			10	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBEI	NDARY			at 10-13 Dho are encenve.
Pig	All stages	LAY	4	Animals must keep in dry place or
5	1111 200800	1		kept in alleviated area and dry bedding
		language and the		(straw) to be provided to young
		LAWNGTLAN		animals.
		# SAIHA	4	1st injection at 6 months of age and
			Ť	2nd injection at 12 months of age
		1	and.	followed by annual vaccination under
	1	0 0	1	•

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	7	Porcine Reproductive Respiratory Syndrome (PRRS).	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) Culling of positive pigs or piglets.
Cattle	All age group	AIZAWL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	LAWNGTLAL	 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

8 | Page

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FISHERY	 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.
Monitoring of fish in pond	
	9 Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

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Cloud Coverage	Mainly cloudy	Mainly clear	Clear sky	Clear sky	Mainly clear
Max RH (%)	87	85	80	78	75
Min RH (%)	52	48	46	46	49
Wind Speed (KmpH)	2	4	4	2	2
*Wind Direction	N-E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

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Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

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

(372.0mm)Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

22ndNovember - 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):17-18°C Minimum Tem. (°C):14-15°C Maximum RH (%):85-96% Minimum RH (%):73-82% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin of 75-87% leh a hniam lai berin 46-52% 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: 04.0mm

NDVI for Mizoram

Rainfall: 00.0 mm

Moderately wet mildly dry/mildly wet conditions

1 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur 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]	376	 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	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	1	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			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		♣ 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.)	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 CECE	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 37 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
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 ₂ O ₅ leh
		V V V	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow Potato Sowing stage Muangchang loving alu chin na chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrilakah a veng dawn ani. Lei leh hmain a hmun hma chu taka thlawh hmasak tur ani. A than a that theih nan nikhat dar tui pek thin tur ani. Hei hian a than hun laiin natna hrilakah a veng dawn ani. Lei leh hmain a hmun hma chu taka thlawh hmasak tur ani. A than a that theih nan nikhat dar tui pek thin tur ani. Lei leh hmain a hmun hma chu taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fi hmasak tur ani. A than a that theih nan nikhat dar tui pek thin tur ani.	tuh
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A than a that theih nan nikhat dan tui pek thin tur ani.	iah
tui pek thin tur ani.	1
	ıan
THANKINGH VIVI	
Tomato Bacterial ♣ Tomato bikah chuan sik leh sa	hi
Blight disease natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lut	6331z
hmunah chuan natna an kai hma	
ani.	
Tomato hi a uai a, a thih mai loh n	
Ridomil emaw Indofil emaw Mancoz @ 2 gm hi tui liter 1 ah pawlh a k	
tur ani .	lan
Early Cole Black spot 4 A than a that theih nan nikhat dan	ıah
crop disease tui pek thin tur ani.	1
Thlai bul vawn hnawn nana thlai bul hnim ring vawm khawm hi tui p	
zawhah dah tur ani.	λCK
↓ Zikhlum lam chi ah chuan sik l	leh
sa vangin a hnah ah thil dum ra	

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	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Preventive	U	 ♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. ♣ Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. ♣ Ranikhet Disease- an pian atanga ni
measures	~ (1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
\$ 1000	4 th weeks	♣ Coccidiosis- Amprolium or coccidiostat or
7. 0220	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	CATCAVVI.	CHAMPAI
Stocking ar monitorin (Sangha chhuah lei enkawl)	g	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/English Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	4	3	0	4	0
Max Temp (°C)	30	29	29	29	28
Min Temp (°C)	15	15	15	14	14
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	85	80	87	85
Min RH (%)	56	47	46	45	43
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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champ

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):22-25°C Minimum Tem. (°C):17-18°C

Maximum RH (%):89-96% Minimum RH (%):71-82%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-4 km/hr

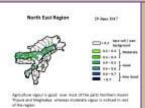
Rainfall: 00.0 mm

Weather forecast valid from 22nd November, 2017 To 26th November, 2017.

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 14-15°C. Maximum relative humidity is expected in the range of 80-88% and minimum may from 43-56%. Wind direction would be easterly with the wind speed of 2 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 11.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI MANDARIN AND ACID LIME	Fruiting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.				
BANANA	1	5-7-	 Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 - D 				
STAR FRUIT	\$ MAMIT	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble				
PLUM AND PEACH	35		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.				
	5	Fruit fly RCH	♣ 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.				
	3	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.				
PLANTATION CR	OP						
COFFEE	Fruiting stage	LAWNGTLAL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young 				
		200	seedlings.				
		1111	2 P a g e				

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

	57		Fr	Fertilizer dose should be maintained. uiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days
		KOLASIB	3	interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.
	} MAMIT			Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage		+	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
	1	SERCHN	+	Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake.
Strowsh ower	Transplanting	LUNGLEI		10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry	Transplanting stage	1	4	Plough the field properly. Make bun in the field and cover with black mulch to reduce water transpiration and also weed control. Make hole in the upper side of the bun
CEREALS AND I	DIII SE CDODS	PW /	4	and mix FYM with soil properly. Apply water in every holes of the bun. Transplant young suckers in the bun.
Kharif Rice	Physiological maturity stage	SAIHA	+	According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the

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Mizoram Centre, Kolasib- 796081, MIZORAM

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				channel for maintain field moisture.
			4	Harvest all mature panicle to reduce
				bird damage.
		2	4	Make a channel around the field to
) [_/		drain excess water and also start
		V		planning for next crop.
	J.	Gandhi bug	(+	Weed sanitation and eradication of
	1	La S	-	alternate hosts from rice fields and
	1	7		surrounding areas can help prevent the
)		_	multiplication of the Gandhi bug. Mechanical control measures such as
)	5	-	smoking the field, hand-picking of adults
	1	5		and nymphs have also been advocated.
Rabi Maize	Germination	(4	Thinning must be done where more
Rabi Maize	stage	1		population was observed.
	stage	AIZAWL	84	Irrigation should be provide 3 days
	1	Carrent 1		interval
	1	j y		Apply 2% urea solution for better
	1			growth.
	1		4	Weeding and earthing up should be
	1 6			carried out.
	1		4	Leaf and stem cutter insect will be
		SERCHH	ΙĒ	more so apply any contact poison for
	1	V~		reducing pest populatin.
Zero tillage	Germination	Zero tillage	4	Thinning must be done where more
Greengram	stage			population was observed.
and			-	Irrigation should be provide 3 days
blackgram	1	AVIII ARRESTA		interval
		LUNGLEI	+	Apply 2% urea solution for better
	1			growth.
			-	Weeding and earthing up should be
		ft / / /		carried out.
			+	Leaf and stem cutter insect will be
		7 ()		more so apply any contact poison for
	**	7		reducing pest populatin.
Zero tillage	Vegetative	Zero tillage	-	Irrigation should be provide 3 days
Soybean	stage	A commercial		interval
cultivation in		LAWNGTLAN		Apply 2% urea solution for better
Jhum		# SAIHA		growth. Weeding and earthing up should be
			_ +	carried out.
Zero tillage	Sowing stage	Zero tillage	4	Thinning must be done where more
Leto tiliage	Sowing stage	Zero tinage	-	mining must be done where more

4 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	1		
Toria		KOLASIB	population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding and earthing up should be carried out with proper doses of fertilizer. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest populatin.
VEGETABLE CR	OP		reading post population.
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesti <mark>ng</mark> stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop		preparation	cauliflower, broccoli and knolkhol.
			5 I D

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

6 | Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | Page

			4	Raised bed, nursery bed
				solarisation.
		-	4	Bed should be 1m width and
	()	1		conventional length.
	1 /	3	4	Application of FYM (1.5-2.0 kg/
	1	KOLASIB	·	m^2)
	1	NULHOID	V.	Line sowing of seeds (7-10cm)
)	LA N	4	Irrigation must be provide to nursery
	(3 4 /		every alternative days.
Chilli	Nursery stage	(200)	4	Nursery preparation for tomato.
	indicate y stage	3	4	Raised bed, nursery bed
	.J		_	solarisation.
	MAMIT		4	Bed should be 1m width and
	7 1000000	1		conventional length.
	30	(ATZAVVL	CHA	Application of FYM (1.5-2.0 kg/ m ²)
	1	7	-	11 (),
	1	(3	-	Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
	-	2 8 6	_	every alternative days.
Tomato	Numaceur atoms	- 1 3 3	-	Nursery preparation for tomato.
Tomato	Nursery stage		7	Raised bed, nursery bed solarisation.
		SERCHH	-	Bed should be 1m width and
		SERONN	-	conventional length.
	V	The start of	4	Application of FYM (1.5-2.0 kg/ m ²)
				Line sowing of seeds (7-10cm)
			-	Irrigation must be provide to nursery
	0.0	0.0000000000000000000000000000000000000	1	every alternative days.
		Damping off	+	Seed treatment with thiram 3g/kg seed or
	1		7	Trichoderma viride 4g+ metalaxyl 4g
		500	1	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
		17	1	captan or 3 copper oxychloride/ lt of water
	7		1	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		•	
Pig	All stages) -3 Y	+	Animals must keep in dry place or
		1	1	kept in alleviated area and dry bedding
		LAWNGTLAN		(straw) to be provided to young
		SAIHA	= _	animals.
			*	1st injection at 6 months of age and
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	2nd injection at 12 months of age followed by annual vaccination under
		2 2	-	ionowed by aimuai vacemation under
			B	

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	Porcine Reproductive Respiratory Syndrome (PRRS).	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) Culling of positive pigs or piglets.
Cattle All age group	AIZAWAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry All age group	LAWNGTLAL	 ♣ 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 everywating
	112	8 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 22 November - 26 November, 2017

Bulletin No: - 750/2017/ Bulletin/Mizo

Date of issue: 21st November, 2017

Parameters	22.11.2017	23.11.2017	24.11.2017	25.11.2017	26.11.2017
Rainfall (mm)	4	3	0	4	0
Max Temp (°C)	30	29	29	29	28
Min Temp (°C)	15	15	15	14	14
Cloud Coverage	Mainly cloudy	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	85	80	87	85
Min RH (%)	56	47	46	45	43
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- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Ch

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(371.4mm)

(367.7mm)

(372.0mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm

Mamit-197.57mm (376.0mm)

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):22-25°C

Minimum Tem. (°C):17-18°C Maximum RH (%):89-96% Minimum RH (%):71-82%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-4 km/hr

Rainfall: 00.0 mm

22ndNovember – 26th November, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 80-88% leh a hniam lai berin 43-56% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 11.0mm

NDVI for Mizoram

North Earl Region 29 Ass 2017

10 Ass 2017

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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2 | Page

Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur 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]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	Y)	7
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Interview		Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
)	3	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 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 sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ 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-
		(CONT. 20 (CONT.)	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		270	1 7 7 7 1 1 1 1 1 1 1
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 ₂ O ₅ leh
		111	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

	7		K ₂ 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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR		11-7	+ 70
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	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ 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.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, 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.

5 | Page

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ANIMAL HUSBENDARY								
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani 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. 					
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.					
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.					
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.					
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.					
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 					
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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



57		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive measures	hand {	 Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
3 man	4 th weeks	↓ Coccidiosis - Amprolium or coccidiostat
/. West	4-5 th Weeks	↓ Calcium tonic fortified with B ₁₂
FISHERY	(_AIZAWI_	CHAMPAI :
Stocking an monitoring (Sangha chhuah leh enkawl)		Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin dahluh thin tur ani. Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @1 litre/ha (hectare khat ah litre khat) pawlh a a enkawl tur ani. Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a, common carp te hian dil hnim zung atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

7 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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8 | Page

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