

#### 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: 24 February - 28 February, 2018

Date of issue: 23rd February, 2018 Bulletin No: - 773/2018/ Bulletin/English

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	5	0
Max Temp (°C)	29	30	30	31	31
Min Temp (°C)	11	11	12	12	13
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	3	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm (09.28mm)(10.31mm)

Kolasib- 0.00mm (08.44mm)(09.40mm)

Lawngtlai-0.00mm Lunglei-0.00mm

Mamit-0.00mm (09.60mm)(08.86mm) Serchhip-0.00mm

(08.44mm)

(10.88mm)Weather summary of the past

three days Maximum Tem. (°C):25-26°C

Minimum Tem. (°C):15-17°C Maximum RH (%):77-88% Minimum RH (%):34-45%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 24thFebruary, 2018 To 28thFebruary, 2018.

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 11-13°C. Maximum relative humidity is expected in the range of 76-84% and minimum may from 20-29%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 05.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT		\$76 (	<ul> <li>Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the</li> </ul>
PLUM AND PEACH	MAMIT	AIZAWL	<ul> <li>loss of healthy foliage.</li> <li>The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> </ul>
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR		EAVA N	
COFFEE	Blooming stage	LAWNGTLAUSAIHA	<ul> <li>♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.</li> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry</li> </ul>
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3 | P a g e

			grasses near the tree base to conserve
			soil moisture during winter.
	- Common		♣ The young fruit plant must be irrigated
		/	at weekly interval for bette
	3 7	2	establishment.
		7	♣ Foliar application of Mepiquat chloride
	V	KOLASIB	@ 1000 PPM concentration or 0.75%
	(	( . · · · · · · · · · · · · · · · · · ·	SSP @ 1.5 g per 200 lt of water 15 days
	)	Way 1	interval.
Rubber	Vegetative	1 1	♣ According to forecast and past weather
Itabbei	stage	The same of the sa	record, there is no probability o
	stage		rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch
	MAMIT		reduces soil water loss.
	7. 10.000	1	Farmers can go for tapping upto las
	1	( ATZAVVL	week of January.
	1	2	♣ Make fire line around the field to save
	1	3	from fire.
	16	1 5 6	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft
			between 4 plants. Store dried leaves in
	( (		the pit and after 4 months it can use as
	11		manure.
Strawberry	Fruit	SERCHH	Possibility of rain will be very less. So
Strawberry	formation to	V	provide water every alternate day.
			<ul> <li>Harvest all mature fruits or partially</li> </ul>
	harvesting	100	matured fruit
	stage		Periodical harvest must be done once in
	1	) (MIGLE)	a week
CEREALS AND I	PULSE CROPS	CUIVALEI	a woon
Rabi Maize	Harvesting	Later Town	♣ Possibility of rain will be very less.
	stage	n ?~	♣ Harvest all the mature cobs.
	Stage	138	♣ Keep harvested cobs in sundry for 8 to
	/		10 days to keep the moisture leve
	ì		below 10%.
	1	1 50 4	4 25% seed will keep as seed for nex
		4	year.
		A summer of the	♣ Parrot attacking trap should be made
		LAWNGTLAN	around field to assens aron from
		# SAIHA	damage.
Zero tillage	Pod	Zero tillage	4 Possibility of rain will be very less. So
Greengram	formation	2010 11111180	provide water every alternate day.
Greengram	101111ation	0	1

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4 | Page

and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
			be done.
	2.1	1	♣ Apply 2% urea solution to avoid stress
	1	7	condition.
	1	KOLASIB	Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	W (	provide water every alternate day.
cultivation in	stage		<b>♣</b> Collection and destruction of damage
Jhum		5	plant or plant part and spraying of any
			systemic insecticide @ 2ml/lit should
	3		be done.
	MAINIT	1	♣ Apply 2% urea solution to avoid stress
	§	Z AIZAWL Z	condition.
		1	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	3 6 6	provide water every alternate day.
	stage		<ul><li>Apply split dose of fertilizer for better growth.</li></ul>
	1		
	1)		beetles and spraying of Neem oil
		SERCHN	@3ml/lit should be done.
	l l	1	♣ Apply split dose of fertilizer for better
			growth.
	4		Provide irrigation once in a week.
VEGETABLE CRO	P		
Ginger and	Harvesting	LUNGLEI	<b>♣</b> Turmeric and ginger is harvested when
turmeric	stage		leaves start yellowing and ultimately
		500	the stem dries down.
		11	The plants are-cut close to the ground.
			♣ The crop is irrigated lightly for easy
		100	digging.  Harvesting consists of digging of
		( F3 A	Harvesting consists of digging of underground clumps of rhizomes
		1	with pick axe or digging fork.
		1	Fingers are separated from mother
		LAWNGTLAN	rhizomes.
		# SAIHA	■ Wash clumps of rhizomes with water
			and keep it for sundry.
		A sale	Seed stock will be store from partially
		6 6	

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			dry sample.  Lut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting	/	♣ According to forecast and past weather
crop	stage	2	record, there is no probability of
•		V comment	rainfall. So weekly twice irrigation is
	J.	KOLASIB	required for upcoming week or use
	1	LA	straw mulch reduces soil water loss.
	/	7 4 7	Harvest all mature cards.
	7		♣ Don't spray any kind of pesticide to the
	- 1	5 6	crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Intercultural operations should be
	3.0	Z ATZAWIL I	done regularly to keep the crop free from weeds and better growth of bulb.
	1	1	Remaining quantity of nitrogen is
	1	3	applied 30-40 days after transplanting.
	1	1 85	<ul><li>Provide irrigation if water is require.</li></ul>
	1 0	- 1 3 2	Low temperature and high humidity
	100		influence the population of onion trips.
		SERCHN	♣ Apply any systemic insecticide 1.5
		SERONN	ml/lt of water.
French bean	Flowering to		♣ Possibility of rain will be less coming
	fruiting stage		five days. So alternate irrigation should
			be done 5 days interval.
		MHARMAN	Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	1		Low temperature and high humidity influence the activity of stem rot. Apply
	6	- F	Hexaconazole 1.5 ml/lt of water for
		17	better growth and development
Capsicum	Vegetative	Poly house	♣ Intercultural operations should be done
	stage		regularly to keep the crop free from
		J 55 7	weeds and aeration of the root system.
		1 2 3	Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting.
		# SAIHA	Provide irrigation if water is require.
			Apply any systemic insecticide to
<b>D</b> • • •	T		reduce damage of chilli thrips.
Brinjal	Fruiting to	200	According to forecast and past weather

5 | Page

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	flowering		record, there is no probability of
	stage	KOLASIB	rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.  Interculture operation should be done near to the base of the plant.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi
Chilli	Vegetative to flowering stage	AIZAWL	season.  According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.
	P	SERCHH	<ul> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Flowering to harvesting stage	LUNGLEI	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
		Fruit fly LAWNGTLAL SAIHA	<ul> <li>↓ Seed must be keep from self pollinated variety.</li> <li>↓ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit</li> </ul>
Potato	Harvesting	1 / 6	initiation.  If the leaves and plant became dry it means plant ready for harvesting.
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	-A		Onen the funner with the 1-1-
	stage		4 Open the furrow with the help of
			spade, harvest all mature tubers.  Discard all mother tubers from
	1. 1	1 3	harvested potato tubers.
	1 1	T )	♣ Keep 7 -10 days for drying or reduce
		KOLASIB	the moisture level in shed dry.
ANIMAL HUSBEN	IDADV		★ Keep 25% seed for next season sowing.
Pig		WY 3	♣ Animals must keep in dry place or
Fig	All stages	1 1	kept in alleviated area and dry bedding
	3	The second second	(straw) to be provided to young
	I I		animals.
			■ 1st injection at 6 months of age and
	MAMIT		2nd injection at 12 months of age
	Z. 1775-1773	And the same of th	followed by annual vaccination under
	1	A ATZAWIL	vet supervision against FMD.
	1	1	Reduce concentrate diet up to 5%.
	\	( )	♣ Provide adequate potable water.
	1	27	♣ In present weather conditions
	) 0	2 4	vaccinate against swine fever (Vaccines
	100		available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	V.	Respiratory	1 2
		Syndrome (PRRS).	
Cattle	All age group		♣ In present weather conditions, special
		Unit the second	care should be taken against attack of
		LUNGLEI	maggots in the wounds of animals.
	3		Application of turpentine oil in the
	. /	500	wounds followed by application of
	. 7	11 ( )	antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
		1 5 6	feed
	,		Provide 10-30 ml of vitamin B-Complex
		1	in feed
			♣ 1st injection at 6-8 weeks of age, 2nd
		LAWNGTLAU	injection after 6 months of 1st injection followed by annual vaccination under
		SAIHA	vet supervision.
			Separate sick animals.
			The animal should be washed with
	<u> </u>	0 10	The animal should be washed with
		1111	7   P a g e

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	57.		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	AIZAWA	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	J		7
	Monitoring of fish in pond	LUNGLEI	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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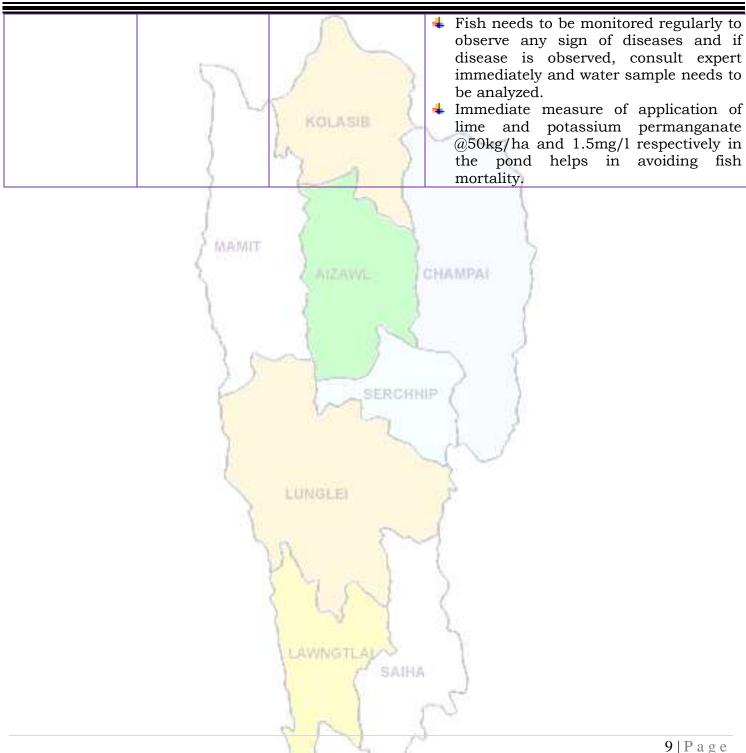


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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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	- A	P	(		
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*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champl

Champhai- 0.00mm Sa

Saiha- 0.00 mm Kolasib- 0.00mm

Date of issue: 23rd February, 2018

(10.31mm)

(09.28mm) Lunglei-0.00mm (08.44mm) Mamit-0.00mm (09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

24<sup>th</sup> February – 28<sup>th</sup> February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-26°C Minimum Tem. (°C):15-17°C Maximum RH (%):77-88% Minimum RH (%):34-45% Wind Direction: Southeasterly

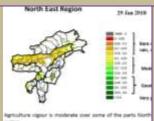
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

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 11-13°C ni tura beisei a ni. RH san lai berin 76-84% leh a hniam lai berin 20-29% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 05.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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 levi otomeo	20	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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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.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	7 ( )	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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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)



4 | Page

Contract	5		<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		75	tur ani .
Early Cole	Black spot	20 7	A than a that their nan nikhat danah tui pek thin tur ani.
crop	disease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh  sa yangin a hash ah thil dum rayan
			sa vangin a hnah ah thil dum rawn

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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

5 | Page

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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)



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

6 | Page

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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 | P a g e

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

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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:** Champhai Period: 24 February - 28 February, 2018

Date of issue: 23rd February, 2018 Bulletin No: - 773/2018/ Bulletin/English

	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	I.C.	4.0		
Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	29	30	30	31	31
Min Temp (°C)	11	11	12	12	13
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	3	4	4	4	4
*Wind Direction	E	E	S-E	E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 0.00mm Saiha- 0.00 mm Aizawl- 0.00mm (09.28mm)(10.31mm)

Kolasib- 0.00mm (08.44mm)(09.40mm)

Lawngtlai-0.00mm

Lunglei-0.00mm

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):25-26°C Minimum Tem. (°C):14-16°C Maximum RH (%):77-88% Minimum RH (%):42-53% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 0-1 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 24thFebruary, 2018 To 28thFebruary, 2018.

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 11-13°C. Maximum relative humidity is expected in the range of 76-88% and minimum may from 20-29%. Wind direction would be easterly to southeasterly to easterly and southeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

1 | 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)



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT	1	£ 1	♣ Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND PEACH	MAMIT	AIZAWL	<ul> <li>loss of healthy foliage.</li> <li>The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> </ul>
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR		E-Mark	T T T T T T T T T T T T T T T T T T T
COFFEE	Blooming stage	LAWNGTLAUSAIHA	<ul> <li>♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.</li> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry</li> </ul>
		1174	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

				grasses near the tree base to conserve soil moisture during winter.
			4	The young fruit plant must be irrigated
	1	1		at weekly interval for better establishment.
	1 1	7	4	Foliar application of Mepiquat chloride
	1 2	KOLASIB		(a) 1000 PPM concentration or 0.75%
	ή.	f. (	3	SSP @ 1.5 g per 200 lt of water 15 days
	1	W )		interval.
Rubber	Vegetative			According to forecast and past weather
	stage	2 5		record, there is no probability of
	J			rainfall. So weekly irrigation is required for upcoming week or use straw mulch
	MAMIT			reduces soil water loss.
	2 1000000	1		Farmers can go for tapping upto last
	1	( AIZAWIL )		week of January.
	1	5	4	Make fire line around the field to save
	1	1		from fire.
	1		4	Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1			between 4 plants. Store dried leaves in
	1)			the pit and after 4 months it can use as manure.
Strawberry	Fruit	SERCHH		Possibility of rain will be very less. So
	formation to	No.		provide water every alternate day.
	harvesting		4	Harvest all mature fruits or partially
	stage			matured fruit
		NAME OF THE PARTY.		Periodical harvest must be done once in
CEREALS AND I	DIII CE CDODC	LUNGLEI		a week
Rabi Maize	Harvesting		4	Possibility of rain will be very less.
Tubi Muizo	stage	n En		Harvest all the mature cobs.
	Stuge	16	4	Keep harvested cobs in sundry for 8 to
		( la se )		10 days to keep the moisture level
				below 10%.
		-0		25% seed will keep as seed for next
		The same of the sa		year. Parrot attacking trap should be made
		LAWNGTLAND	-	around field to escape crop from
		# SAIHA		damage.
Zero tillage	Pod	Zero tillage	4	Possibility of rain will be very less. So
Greengram	formation	1 2 1		provide water every alternate day.
-		100	10	

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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)



4 | Page

and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
			be done.
	2.1	1	♣ Apply 2% urea solution to avoid stress
	1	V	condition.
		KOLASIB	Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	" 1 4 1	provide water every alternate day.
cultivation in	stage		♣ Collection and destruction of damage
Jhum	7	2 6	plant or plant part and spraying of any
			systemic insecticide @ 2ml/lit should
	MAMIT		be done.
	T intervitor	\	♣ Apply 2% urea solution to avoid stress condition.
	3	Z ATZAWIL I	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	<ul><li>♣ Possibility of rain will be very less. So</li></ul>
Toria	formation	Zero tiliage	provide water every alternate day.
Toria	stage	2 8 8	♣ Apply split dose of fertilizer for better
	stage	1 3 4	growth.
	100		♣ Collection and destruction of Blister
		SERCHN	beetles and spraying of Neem oil
		Controller of the second	@3ml/lit should be done.
	1		♣ Apply split dose of fertilizer for better
			growth.
VECEWARI E CEC	) D		_ ♣ Provide irrigation once in a week.
VEGETABLE CRO		A Children Cont.	♣ Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting	LUNGLEI	leaves start yellowing and ultimately
turmeric	stage		the stem dries down.
	7	m Em	The plants are-cut close to the ground.
		11	♣ The crop is irrigated lightly for easy
		Vi Si V	digging.
			♣ Harvesting consists of digging of
		1 -3 7	underground clumps of rhizomes
		- S	with pick axe or digging fork.
		LAWNGTLAN	Fingers are separated from mother
		SAIHA	rhizomes.
		(	♣ Wash clumps of rhizomes with water
		1	and keep it for sundry.
		0 0	♣ Seed stock will be store from partially

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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)



			dry sample.
			♣ Cut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting		♣ According to forecast and past weather
crop	stage	1	record, there is no probability of
СГОР	Stage	7	rainfall. So weekly twice irrigation is
	1	KOLASIB	required for upcoming week or use
	- 4	6.	straw mulch reduces soil water loss.
	)	W/5	♣ Harvest all mature cards.
	5		♣ Don't spray any kind of pesticide to the
	7	Since	crop which creates more health hazard.
Onion	Bulb	Poly house	Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	1	♣ Intercultural operations should be
		AIZAWL I	done regularly to keep the crop free
	1	Constant Constant	from weeds and better growth of bulb.
	1	) )	Remaining quantity of nitrogen is
	1	6 6 7	applied 30-40 days after transplanting.
	1		Provide irrigation if water is require.
	1		Low temperature and high humidity
	1)		influence the population of onion trips.
	-	SERCHN	Apply any systemic insecticide 1.5
French bean	Florroging to	V~ 1~	ml/lt of water.  ♣ Possibility of rain will be less coming
French bean	Flowering to		five days. So alternate irrigation should
	fruiting stage		be done 5 days interval.
	1.0		Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	3	2007/2009/2001	Low temperature and high humidity
	1.7	200,000	influence the activity of stem rot. Apply
	-	N (0)	Hexaconazole 1.5 ml/lt of water for
			better growth and development
Capsicum	Vegetative	Poly house	Intercultural operations should be done
	stage		regularly to keep the crop free from
		30	weeds and aeration of the root system.
			Remaining quantity of nitrogen is
		LAWNGTLAL	applied 30-40 days after transplanting.
		/ SAIHA	<ul><li>Provide irrigation if water is require.</li><li>Apply any systemic insecticide to</li></ul>
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1	According to forecast and past weather
Dillijai	i ruiting to	0	- Heorang to forecast and past weather

5 | 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)



6 | Page

	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	(III		required for upcoming week or use
	( )	6	straw mulch reduces soil water loss.
	) \	3	♣ Interculture operation should be done
		KOLASIB	near to the base of the plant.
	1	NULHOID	4 Apply split dose of nitrogenous
	)	A.	fertilizer to the plant.
	(	3 4 /	Fruit and shoot borer attack will mare
	7		in dry weather. Apply any systematic
	1	7 6	insecticide for better cure.
		20	Harvest all mature fruit.
	S conner		♣ Seed must be keep for next rabi
01:11:	/ MAMIT	1	season.
Chilli	Vegetative to	Z ATZAWIL I	According to forecast and past weather record, there is no probability of
	flowering		rainfall. So weekly twice irrigation is
	stage	( 3	required for upcoming week or use
	4	1 66	straw mulch reduces soil water loss.
	1	1 3 1	Interculture operation should be done
	No. C		near to the base of the plant.
		- Company	Apply split does of nitrogramsus
		SERCHN	fertilizer to the plant.
	l l		♣ Mature fruit should be harvested and
Tomato	Flowering to		♣ According to forecast and past weather
	harvesting		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	3	LUNGLEI	required for upcoming week or use
	3	The second secon	straw mulch reduces soil water loss.
	1.1	272	If irrigation is not available keep grass
	. 77	11 ( ~	and dry leaves as mulch.
			Harvest all the mature which colour
		19 8	change to pale yellow to red.
			Seed must be keep from self pollinated
		Fruit fly	variety.
		Access to the second se	or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		# SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Potato	Harvesting	1	If the leaves and plant became dry it
		N N	means plant ready for harvesting.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	- A		<u> </u>	on the furmery with the hear of
	stage			en the furrow with the help of
			-	de, harvest all mature tubers.  card all mother tubers from
	1. 1	1		vested potato tubers.
	1 1	5		ep 7 -10 days for drying or reduce
		KOLASIB		moisture level in shed dry.
ANIMAL HUSBEI	NDADV		+ Kee	ep 25% seed for next season sowing.
Pig		WY 3	4 Ani	imals must keep in dry place or
rig	All stages	1 1		ot in alleviated area and dry bedding
	3	The second second		raw) to be provided to young
	- I			mals.
				injection at 6 months of age and
	MAMIT			d injection at 12 months of age
	Z 10000000	A CONTRACTOR OF THE PARTY OF TH		owed by annual vaccination under
	1	( AIZAWL )	THE ALL THE SPACE	supervision against FMD.
				duce concentrate diet up to 5%.
	1	( )		vide adequate potable water.
	1	127	∔ In	present weather conditions
	) 0	7 3 4	vac	cinate against swine fever (Vaccines
	100		ava	uilable in State Veterinary Departs)
		Porcine	1. Cı	alling of positive pigs or piglets.
		Reproductive		
	1	Respiratory	1	3
		Syndrome (PRRS).		ſ
Cattle	All age group			present weather conditions, special
	1	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,		should be taken against attack of
		LUNGLEI	- 100	gots in the wounds of animals.
	3			lication of turpentine oil in the
		5		nds followed by application of
		11		biotics for five days is advised.
				vide UMB/Molases if possible in the
	1	135 6	feed	
	,		in fe	ride 10-30 ml of vitamin B-Complex
		1		injection at 6-8 weeks of age, 2nd
		Control of the Contro		ction after 6 months of 1st injection
		LAWNGTLAN		wed by annual vaccination under
		SAIHA		supervision.
				parate sick animals.
		1		e animal should be washed with
	I.	6 1		The second secon
		1 4 6		7   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	57.		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	AIZAWA.  SERCHH	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	J		7
	Monitoring of fish in pond	LAWNGTLALSAIHA	<ul> <li>↓ Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>↓ Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>↓ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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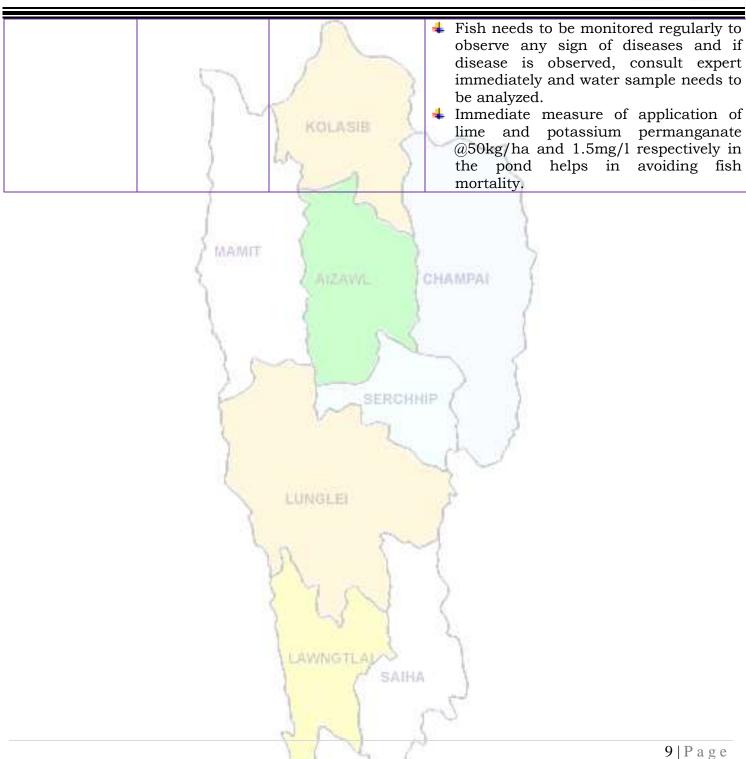


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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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**Parameters** 

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

**Cloud Coverage** 

\*Wind Direction

Wind Speed (KmpH)

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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**District:** Champhai Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

24.02.2018

0

29

11

Mainly clear

88

21

3

0	3		
25.02.2018	26.02.2018	27.02.2018	28.02.2018
0	0	4	0
30	30	31	31
11	12	12	13
Clear sky	Clear sky	Clear sky	Clear sky
87	79	76	84
21	20	29	29

Date of issue: 23rd February, 2018

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

S-E

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm) Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

(08.44mm)

4

S-E

Weather summary of the past three days

Maximum Tem. (°C):25-26°C Minimum Tem. (°C):14-16°C

Maximum RH (%):77-88% Minimum RH (%):42-53%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 0-1 km/hr

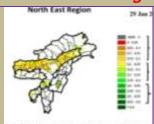
Rainfall: 00.0 mm

24th February – 28th February, 2018 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 29-31°C a ni ang a. A vawh lai ber in 11-13°C ni tura beisei a ni. RH san lai berin 76-88% leh a hniam lai berin 20-29% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 04.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all

districts of Mizoram.

1 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	}	56	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	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.

2 | Page

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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
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	L. C	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	7 ( )	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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

4 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	5	KOLASIB	4	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	Nursery stage	Poly house		A than a that their nan nikhat danah
capsicum	1	1		tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula
	7			hnim ring vawm khawm hi tui pek
	1	2		zawhah dah tur ani.
	J			Thlai chhina hmun (nursery) hi hnim a
	MAMIT			to loh nan Pendimethalin @ 3.5ml hi
	\$	1.77000		tui liter 1 zelah pawlh a kah hi a tha hle ani.
	- 4	Phytopthora		A chi ven that nan thiram 3g/kg seed
	)	blight	_	emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight		(Apron)/ kg seed hi a tha hle ani
	1	1 3 3	*	Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper
	14.5		->)	oxychloride a tui liter 1 hi 10-15 DAS a
		STREAM	in I	pek hi a tha hle ani.
French bean	Sowing stage	(~)		Tui pek a hnihnah hringa khuh tur ani
				a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
	1			A than duna theih nan leh hnim to loh
	1		-	na turin a kung bulah lei vur chhoh zel
		LUNGLE		tur ani.
Carrot and	Sowing stage	- CONTRACTOR OF THE CONTRACTOR	7.00	A than a that theih nan nikhat danah
radish	1	500		tui pek thin tur ani.
		17		Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
	1		10.0	Zikhlum lam chi ah chuan sik leh
	ì	1 7 6	2	sa vangin a hnah ah thil dum a
	1	1 55 7	1	rawn awm thina, hei hi natna
			4	tlanglawn ber ani.
		LAWNGTLAN	4	Thlai hna lam chi leh zikhlum lam
		SAIHA		chi reng reng enkawl nan
			Ţ,	Mancozeb @ 2gm ah tui leter 1
			-0	pawlha kah tur ani.

5 | Page

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



7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	mousuros	GP )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	- 5			ani.
	1	STATE	4	B complex with antibodies
	-	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAGMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	1	chauh pek thin tur ani. Sangha chaw a
	,	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)		-	a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	+)			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	1	V		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	1		4	Dil sah kang veka sangha man thin
	- 1			hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	>	F-713-20-1-11	1	phoro, chinai phul, leitha hman leh tul
	1	y****	1	dang in dil buatsaih tur ani.
	, h	17	+	Sangha te natna lak atangin an him em
			- (	tih enfiah fo a tha a, natna hmuh anih
	1	( ly se )	3	chuan mithiam te rawn vat a, diltui
		3	2	enfiah vat tur ani.
		1 55	-	A ranglam a chinai @50kg/ha leh
			169	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAL		sangha natna avang a thi tur lak atangin a veng thei.
		F SAIH	À	atangin a veng men.
				لـــ
			(-)	7
		1 m	(	

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SAIHA

LAWNGTLAL

CHAMPAI

8 | Page

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District: Kolasib Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/English Date of issue: 23rd February, 2018

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	32	32	32	33	33
Min Temp (°C)	13	13	14	14	15
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	65	66	68	65	70
Min RH (%)	22	22	26	29	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm) Mamit-0.00mm (09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

28<sup>th</sup>February, 2018.

Maximum Tem. (°C):25°C Minimum Tem. (°C):14-15°C Maximum RH (%):68-75% Minimum RH (%):21-30% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2-3 km/hr

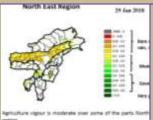
Rainfall: 00.0 mm

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 32-33°C and 13-15°C. Maximum relative humidity is expected in the range of 65-70% and minimum may from 22-29%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weather forecast valid from 24thFebruary, 2018 To

#### Weekly cumulative rainfall: 04.0 mm

**NDVI for Mizoram** 



Mildly dry condition occurs in all districts of Mizoram.

1 | P a g e

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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3 | Page

	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Strawberry	Fruit formation to harvesting stage	LUNGLEL	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit</li> <li>Periodical harvest must be done once in a week</li> </ul>
CEREALS AND I	PULSE CROPS		
Rabi Maize	Harvesting stage	LAWNGTLANSAIHA	damage.
Zero tillage	Pod	Zero tillage	+ Possibility of rain will be very less. So
Greengram	formation	201	provide water every alternate day.

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4 | Page

and	stage		♣ Collection and destruction of damage
blackgram			plant or plant part and spraying of any
		1	systemic insecticide @ 2ml/lit should be done.
	1	1 3	
	1 1	5	Apply 2% urea solution to avoid stress condition.
		KOLASIB	Provide irrigation once in a week.
Zoro tillogo	Pod		Possibility of rain will be very less. So
Zero tillage	formation	Zero tillage	provide water every alternate day.
Soybean		1 1	♣ Collection and destruction of damage
cultivation in	stage	Control of the second	plant or plant part and spraying of any
Jhum	1		systemic insecticide @ 2ml/lit should
	J	1	be done.
	MAMIT		♣ Apply 2% urea solution to avoid stress
	V 10000000	100000	condition.
	4	( AIZAWL )	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	()	provide water every alternate day.
	stage	1 1	♣ Apply split dose of fertilizer for better
			growth.
	1		Collection and destruction of Blister
		SERCHN	beetles and spraying of Neem oil
		~	@3ml/lit should be done.
	1		♣ Apply split dose of fertilizer for better
			growth.
	110		Provide irrigation once in a week.
VEGETABLE CRO		A A HANDS STATE OF	# Transcopie and singer is becaused when
Ginger and	Harvesting	LUNGLEI	Turmeric and ginger is harvested when leaves start yellowing and ultimately
turmeric	stage		the stem dries down.
	-	F ~	The plants are-cut close to the ground.
		17	■ The plants are eat close to the ground: ■ The crop is irrigated lightly for easy
		P \	digging.
		7 (	<ul><li>Harvesting consists of digging of</li></ul>
		1 50 4	underground clumps of rhizomes
		1	with pick axe or digging fork.
		LINWINGTIALAS	Fingers are separated from mother
		LAWNGTLAN	rhizomes.
		SAIHA	♣ Wash clumps of rhizomes with water
			and keep it for sundry.
			Seed stock will be store from partially
		En la	

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			dry sample.
			♣ Cut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting		♣ According to forecast and past weather
crop	stage		record, there is no probability of
СГОР	stage	7	rainfall. So weekly twice irrigation is
	1	KOLASIB	required for upcoming week or use
	- 4	6.	straw mulch reduces soil water loss.
	)	W/5	♣ Harvest all mature cards.
	5		♣ Don't spray any kind of pesticide to the
	7	Since	crop which creates more health hazard.
Onion	Bulb	Poly house	Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	)	♣ Intercultural operations should be
		LAIZAWL I	done regularly to keep the crop free
	1	Constant Constant	from weeds and better growth of bulb.
	1	) )	Remaining quantity of nitrogen is
	1	6 6 7	applied 30-40 days after transplanting.
	1		Provide irrigation if water is require.
	1		Low temperature and high humidity
	1)		influence the population of onion trips.
	-	SERCHN	Apply any systemic insecticide 1.5 ml/lt of water.
French bean	Flowering to	1/2	♣ Possibility of rain will be less coming
Fiench bean	fruiting stage		five days. So alternate irrigation should
	iruiting stage		be done 5 days interval.
			Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	3		Low temperature and high humidity
	2.7	000	influence the activity of stem rot. Apply
		W (~	Hexaconazole 1.5 ml/lt of water for
			better growth and development
Capsicum	Vegetative	Poly house	Intercultural operations should be done
	stage		regularly to keep the crop free from
		-3	weeds and aeration of the root system.
		1	Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting.  Provide irrigation if water is require.
		# SAIHA	Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1 9	♣ According to forecast and past weather
jui	i raiding to	0	- 11001amg to 10100abt and past weather

5 | Page

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	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
			required for upcoming week or use
	1 1	1	straw mulch reduces soil water loss.
	1 \	5	♣ Interculture operation should be done
		KOLASIB	near to the base of the plant.
	- 1	110000000	Apply split dose of nitrogenous
	)	GA.	fertilizer to the plant.
	(	1 4	Fruit and shoot borer attack will mare
	- 7		in dry weather. Apply any systematic insecticide for better cure.
	J.	3	
	5.J		♣ Seed must be keep for next rabi
	MAMIT		season.
Chilli	Vegetative to	100000	♣ According to forecast and past weather
	flowering	( AIZAWL )	record, there is no probability of
	stage	1	rainfall. So weekly twice irrigation is
	beage	S	required for upcoming week or use
	1	1 5	straw mulch reduces soil water loss.
	0 6		♣ Interculture operation should be done
	1		near to the base of the plant.
		SERCHN	Apply split dose of nitrogenous
	1		fertilizer to the plant.
- A	771	nio isaa	Mature fruit should be harvested and
Tomato	Flowering to		♣ According to forecast and past weather record, there is no probability of
	harvesting		rainfall. So weekly twice irrigation is
	stage	A China Can	required for upcoming week or use
		LUNGLEI	straw mulch reduces soil water loss.
	12		♣ If irrigation is not available keep grass
	1	n Em	and dry leaves as mulch.
		10	Harvest all the mature which colour
	(	C Var Ser V	change to pale yellow to red.
			Seed must be keep from self pollinated
		1 50 7	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Potato	Harvesting	V	If the leaves and plant became dry it
		N R	means plant ready for harvesting.
		1 4 6	6   P a g e

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	ate ==			Ones the furrous with the help of
	stage		-	Open the furrow with the help of spade, harvest all mature tubers.
			4	Discard all mother tubers from
			_	harvested potato tubers.
	1. 1	- F 3	4	
	1 1	( )	-	Keep 7 -10 days for drying or reduce the moisture level in shed dry.
		KOLASIB		•
ANIMAL HUSBEN	IDADV		1	Keep 25% seed for next season sowing.
		WW.	_	Animals must keep in dry place or
Pig	All stages	1 1	-	kept in alleviated area and dry bedding
	3	Company .		(straw) to be provided to young
	f.			animals.
	, J	77	4	1 <sup>st</sup> injection at 6 months of age and
	MAMIT		_	2nd injection at 12 months of age
	7. 10.55		440.0	followed by annual vaccination under
	3	( ATZAWIL )	CHA	vet supervision against FMD.
	1	2	4	Reduce concentrate diet up to 5%.
	1	3	I	Provide adequate potable water.
	16	1 5	4	In present weather conditions
				vaccinate against swine fever (Vaccines
				available in State Veterinary Departs)
		Porcine	1	. Culling of positive pigs or piglets.
		Reproductive	IP 1	. Culling of positive pigs of pigicus.
		Respiratory		) )
	<b>S</b>	Syndrome (PRRS).		1 7
Cattle	All age group		4	In present weather conditions, special
0 40020	ago group		-	care should be taken against attack of
		LUNGLEI		maggots in the wounds of animals.
	>	H-100-100-100	8	Application of turpentine oil in the
	1	y***	1	wounds followed by application of
	1	W The	-3	antibiotics for five days is advised.
			4	Provide UMB/Molases if possible in the
	()	Vi Si V	1	feed
	į.		4/	Provide 10-30 ml of vitamin B-Complex
	N N	) -3 Y	1	in feed
		1	43	1st injection at 6-8 weeks of age, 2nd
		LAWNGTLAN	-	injection after 6 months of 1st injection
		The state of the s		followed by annual vaccination under
		SAIHA		vet supervision.
			4.5	Separate sick animals.
			4	The animal should be washed with
	<u> </u>	6	1	

7 | P a g e

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	57.		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	AIZAWA. SERCHH	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	J		7
	Monitoring of fish in pond	LUNGLEI	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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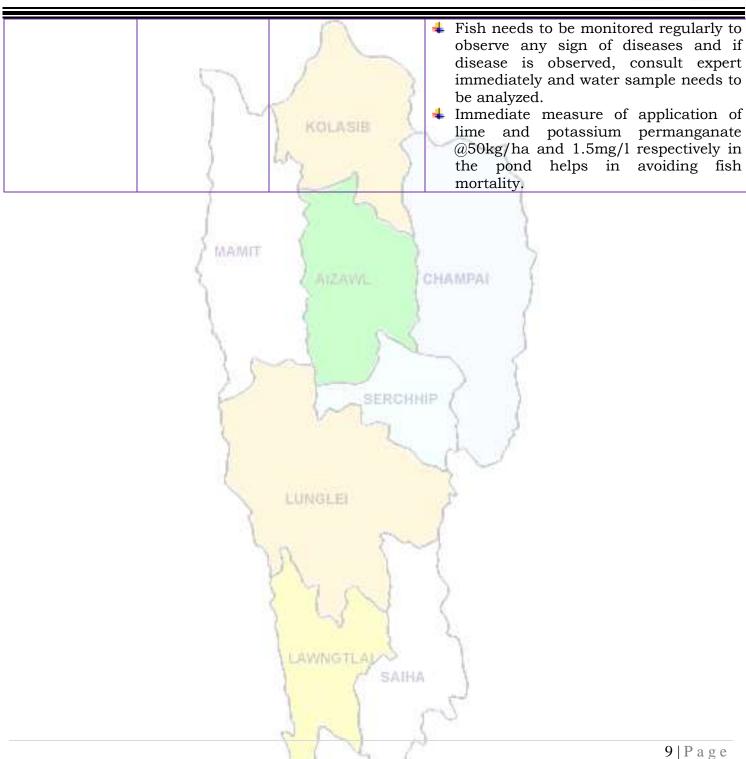


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SAIHA

LAWNGTLAL

CHAMPAI

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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: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

	1.0	P	5		
Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	32	32	32	33	33
Min Temp (°C)	13	13	14	14	15
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	65	66	68	65	70
Min RH (%)	22	22	26	29	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

(08.44mm)

Weather summary of the past three days

ee days

24<sup>th</sup> February – 28<sup>th</sup> February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 23rd February, 2018

Maximum Tem. (°C):25°C Minimum Tem. (°C):14-15°C Maximum RH (%):68-75% Minimum RH (%):21-30% Wind Direction: Southeasterly

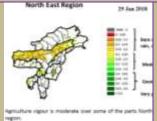
Cloud cover: Clear sky Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 13-15°C ni tura beisei a ni. RH san lai berin 65-70% leh a hniam lai berin 22-29% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

### Weekly cumulative rainfall: 04.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	(MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	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.

2 | 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)



			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.
	)	Par 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	7	1	♣ Seng bang zawng zawng chu uluka taka
	- 1	3	paih fai vek tur ani.
	]		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Interview		Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
	)	3	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		( Sections	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		(CONT. 20 (CONT.)	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		270	<b>1 7 7 1 1 1 1 1 1</b>
Rabi Maize	A chin hun	11	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	i i	) -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leaven et al.	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIV	3   P a g e

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

4 | P a g e

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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)



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

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

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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)



			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	//		1-6 ah F1 vaccine pek tur ani a, chuan
	1110454105	my )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	)			ani.
	1	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2	1		coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL I	CH	AMPAI (
_	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	Clinawij			a phoro phawt tur ani.
	No. C		4	Sangha chaw hi a hmuar lohna turin
	1)	- Company		hmun ro leh uap lutuk lo ah dahthat
		SERCH	gP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Lang		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	- 4		+	Dil sah kang veka sangha man thin
	- (			hian a kumleh a sangha khawinan a dil
		LUNGLEI	60	buatsaih a ti awlsam a, dil mawng
	3	THE PROPERTY OF THE PARTY OF TH	l I	phoro, chinai phul, leitha hman leh tul
	201	500		dang in dil buatsaih tur ani.
		17	1	Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		19 7		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		language and the same of the s		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	A.	
				7
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		4	1	

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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**Parameters** 

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

\*Wind Direction

Wind Speed (KmpH)

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/English Date of issue: 23rd February, 2018

24.02.2018

0

29

11

Mainly clear

88

21

4

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	3		
25.02.2018	26.02.2018	27.02.2018	28.02.2018
0	0	4	0
30	30	31	31
11	12	12	13
Clear sky	Clear sky	Clear sky	Clear sky
87	79	76	84
21	20	29	29

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

N-E

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

 $\mathbf{E}$ 

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm) Mamit-0.00mm (09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

 $\mathbf{E}$ 

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):14-15°C Maximum RH (%):77-91% Minimum RH (%):38-51%

Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 2-3 km/hr

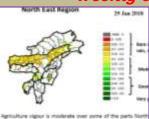
Rainfall: 00.0 mm

Weather forecast valid from 24<sup>th</sup>February, 2018 To 28<sup>th</sup>February, 2018.

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 11-13°C. Maximum relative humidity is expected in the range of 76-88% and minimum may from 20-29%. Wind direction would be easterly to northeasterly and easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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

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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

			grasses near the tree base to conserve soil moisture during winter.
			♣ The young fruit plant must be irrigated
	1	1 3	at weekly interval for better establishment.
	1 2	( )	♣ Foliar application of Mepiquat chloride
	1	KOLASIB	@ 1000 PPM concentration or 0.75%
	1	(A)	SSP @ 1.5 g per 200 lt of water 15 days
		7	interval.
Rubber	Vegetative		According to forecast and past weather record, there is no probability of
	stage	3	rainfall. So weekly irrigation is required
		/	for upcoming week or use straw mulch
	MAMIT		reduces soil water loss.
	5	AIZAWL I	🦊 Farmers can go for tapping upto last
	1	Constant 1	week of January.
	)	1	♣ Make fire line around the field to save
	1	3 26	from fire.
	- /		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in
	(		the pit and after 4 months it can use as
		NEW PARKET	manure.
Strawberry	Fruit	SEROHN	♣ Possibility of rain will be very less. So
	formation to		provide water every alternate day.
	harvesting		♣ Harvest all mature fruits or partially
	stage		matured fruit
	1	A HARRIST CO.	Periodical harvest must be done once in a week
CEREALS AND I	PULSE CROPS	LUNGLE	a week
Rabi Maize	Harvesting	244	♣ Possibility of rain will be very less.
	stage	100	♣ Harvest all the mature cobs.
			♣ Keep harvested cobs in sundry for 8 to
	(	( 5 20 )	10 days to keep the moisture level
			below 10%.
		3	4 25% seed will keep as seed for next
		American services	year. ♣ Parrot attacking trap should be made
		LAWNGTLAN	around field to escape crop from
		SAIHA	damage.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Greengram	formation	121	provide water every alternate day.
		The second second	U

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any avertaging inserticide. ② 2ml/lit should
			systemic insecticide @ 2ml/lit should be done.
	2.1	1	♣ Apply 2% urea solution to avoid stress
	1	7	condition.
	1	KOLASIB	♣ Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	W (	provide water every alternate day.
cultivation in	stage		<b>♣</b> Collection and destruction of damage
Jhum		5	plant or plant part and spraying of any
		5	systemic insecticide @ 2ml/lit should
	3		be done.
	MAINIT	1	♣ Apply 2% urea solution to avoid stress
	§	Z AIZAWL Z	condition.
		1	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	3 6 6	provide water every alternate day.
	stage		4 Apply split dose of fertilizer for better
			growth.  4 Collection and destruction of Blister
	1)		beetles and spraying of Neem oil
		SERCHN	@3ml/lit should be done.
	Į.	V Lang	♣ Apply split dose of fertilizer for better
			growth.
	4		Provide irrigation once in a week.
VEGETABLE CRO	)P		
Ginger and	Harvesting	LUNGLEI	<b>♣</b> Turmeric and ginger is harvested when
turmeric	stage		leaves start yellowing and ultimately
		500	the stem dries down.
	. 7	11 / ~	The plants are-cut close to the ground.
			♣ The crop is irrigated lightly for easy
		100	digging.
		( ) 1	♣ Harvesting consists of digging of underground clumps of rhizomes
		1	with pick axe or digging fork.
		Control of the Contro	Fingers are separated from mother
		LAWNGTLAN	rhizomes.
		# SAIHA	■ Wash clumps of rhizomes with water
			and keep it for sundry.
			♣ Seed stock will be store from partially
		6	

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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)



			dry sample.
			Cut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting		♣ According to forecast and past weather
crop	stage		record, there is no probability of
СГОР	stage	7	rainfall. So weekly twice irrigation is
	1	KOLASIB	required for upcoming week or use
	- 4	6.	straw mulch reduces soil water loss.
	1	60°5	♣ Harvest all mature cards.
	5		♣ Don't spray any kind of pesticide to the
	7	Since	crop which creates more health hazard.
Onion	Bulb	Poly house	Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	1	♣ Intercultural operations should be
		LAIZAWL I	done regularly to keep the crop free
	1	Constant Constant	from weeds and better growth of bulb.
	1	j y	Remaining quantity of nitrogen is
	1	6 6 7	applied 30-40 days after transplanting.
	1		Provide irrigation if water is require.
	2 6		Low temperature and high humidity
	1)		influence the population of onion trips.
		SERCHN	Apply any systemic insecticide 1.5 ml/lt of water.
French bean	Flowering to	V lan	♣ Possibility of rain will be less coming
Fiench bean	fruiting stage		five days. So alternate irrigation should
	ifulting stage		be done 5 days interval.
			<b>♣</b> Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	3		Low temperature and high humidity
	2.7	000	influence the activity of stem rot. Apply
		W (~	Hexaconazole 1.5 ml/lt of water for
			better growth and development
Capsicum	Vegetative	Poly house	Intercultural operations should be done
	stage		regularly to keep the crop free from
		-3	weeds and aeration of the root system.
		1	Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting.  Provide irrigation if water is require.
		# SAIHA	<b>4</b> Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1 9	♣ According to forecast and past weather
2111101	i raiding to	0	

5 | 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)



	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
			required for upcoming week or use
	1 1	1	straw mulch reduces soil water loss.
	1 \	5	Interculture operation should be done
		KOLASIB	near to the base of the plant.
	1	1	4 Apply split dose of nitrogenous
	)	W. J	fertilizer to the plant.  Fruit and shoot borer attack will mare
		1 1	in dry weather. Apply any systematic
	3	The same of the sa	insecticide for better cure.
	1		♣ Harvest all mature fruit.
		/	♣ Seed must be keep for next rabi
	MAINIT		season.
Chilli	Vegetative to	AIZAVAL I	According to forecast and past weather
	flowering	Contenue:	record, there is no probability of
	stage	5	rainfall. So weekly twice irrigation is
	T <sub>s</sub>	1 2	required for upcoming week or use
	1		straw mulch reduces soil water loss.
	1 6		Interculture operation should be done
			near to the base of the plant.  Apply split dose of nitrogenous
	-	SERCHN	Apply split dose of nitrogenous fertilizer to the plant.
	1	V	<ul><li>Mature fruit should be harvested and</li></ul>
Tomato	Flowering to		♣ According to forecast and past weather
	harvesting		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	songe	LUNGLEI	required for upcoming week or use
	3	TO THE STREET	straw mulch reduces soil water loss.
	- 1	- 22	If irrigation is not available keep grass
	. 7	11 ( ~	and dry leaves as mulch.
			Harvest all the mature which colour change to pale yellow to red.
		135 6	<ul><li>Seed must be keep from self pollinated</li></ul>
		1 5 3	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		SAIHA	fortnightly intervals at flowering and fruit initiation.
Potato	Harvesting		Induon.  If the leaves and plant became dry it
Totato	mai vesting	201	means plant ready for harvesting.
	1	THE P	6   Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	-A		Onen the funner with the 1-1-
	stage		4 Open the furrow with the help of
			spade, harvest all mature tubers.  Discard all mother tubers from
			♣ Discard all mother tubers from harvested potato tubers.
	1. 1	1 3	±
	1 1	5	♣ Keep 7 -10 days for drying or reduce
		KOLASIB	the moisture level in shed dry.
ANIMAL HUSBEN	IDADV		★ Keep 25% seed for next season sowing.
Pig	All stages	WY 3	♣ Animals must keep in dry place or
Fig	All Stages	2 1	kept in alleviated area and dry bedding
	3	The second second	(straw) to be provided to young
	1		animals.
	J		■ 1st injection at 6 months of age and
	MAMIT		2nd injection at 12 months of age
	Z. 10000000	And the same of th	followed by annual vaccination under
	1	A ATZAWIL	vet supervision against FMD.
	1	1	Reduce concentrate diet up to 5%.
	1	( )	♣ Provide adequate potable water.
	1	27	♣ In present weather conditions
	) 0	- 1 4	vaccinate against swine fever (Vaccines
	100		available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	V	Respiratory	1 2
		Syndrome (PRRS).	
Cattle	All age group		♣ In present weather conditions, special
		Unit the entitle	care should be taken against attack of
		LUNGLEI	maggots in the wounds of animals
	3		Application of turpentine oil in the
		57	wounds followed by application of
	. 7	11 ( )	antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
	(1)	1 5 6	feed
	N.		Provide 10-30 ml of vitamin B-Complex
		1	in feed
			♣ 1st injection at 6-8 weeks of age, 2nd
		LAWNGTLAU	injection after 6 months of 1st injection followed by annual vaccination under
		SAIHA	vet supervision.
			Separate sick animals.
			The animal should be washed with
	<u> </u>	0 10	The annual should be washed with
		1111	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)



	57		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	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	J		7
	Monitoring of fish in pond	LUNGLEI	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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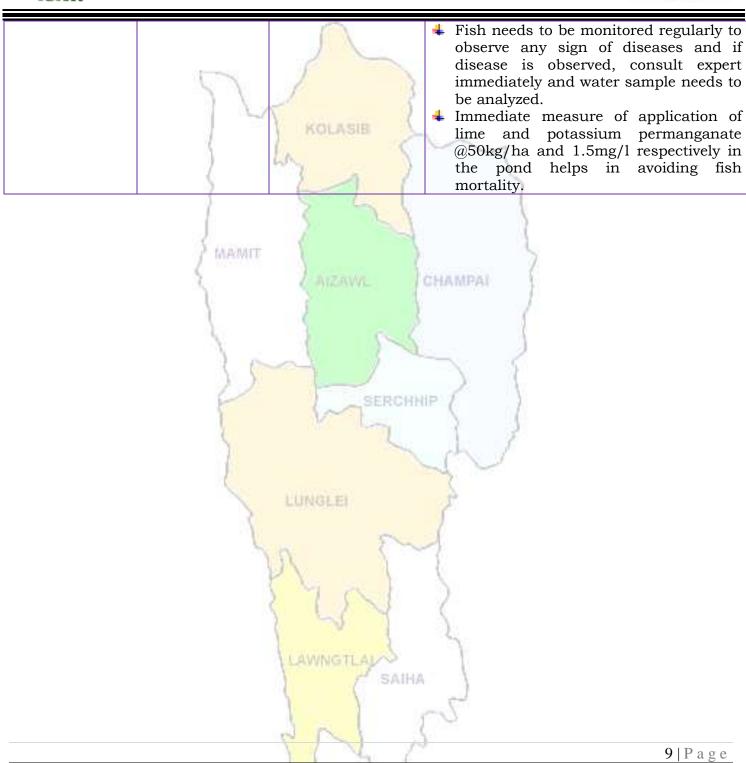


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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SAIHA

LAWNGTLAL

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: Lawngtlai Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

	0.00	R.	4.0		
Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	29	30	30	31	31
Min Temp (°C)	11	11	12	12	13
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	4	4	3	4	4
*Wind Direction	E	N-E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm (08.44mm) Kolasib- 0.00mm (09.40mm)

(10.31mm)

(09.28mm)Lunglei-0.00mm

Mamit-0.00mm

Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

24th February - 28th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 23rd February, 2018

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):14-15°C Maximum RH (%):77-91% Minimum RH (%):38-51% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

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 11-13°C ni tura beisei a ni. RH san lai berin 76-88% leh a hniam lai berin 20-29% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 04.0mm

**NDVI** for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | 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)



2 | P a g e

Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB (	Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul
3	Ly 5	velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh
}	£ (	kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm
} MAMIT		te thlawhfai thin tur ani.  A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
1	)	leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
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.
	LUNGER	
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
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP  All stages

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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



4 | Page

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

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

5 | Page

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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)



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

6 | Page

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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)



			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCR	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	wy )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	- 5			ani.
	5	San Land	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	_	chauh pek thin tur ani. Sangha chaw a
	,	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	IIP :	tur ani a, hmuar atang a tur lo inseam
	l l			thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 1		4	Dil sah kang veka sangha man thin
	- 1		-	hian a kumleh a sangha khawinan a dil
		LUNGLEI	60	buatsaih a ti awlsam a, dil mawng
	3	the All House	I	phoro, chinai phul, leitha hman leh tul
	2.7	CC-		dang in dil buatsaih tur ani.
		77	1	Sangha te natna lak atangin an him em
	)		0	tih enfiah fo a tha a, natna hmuh anih
		19 70		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			7	A ranglam a chinai @50kg/ha leh
		20		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	<u> </u>
				<u></u>
			1	2
		1 / m	5	

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





**District:** Lunglei Period: 24 February - 28 February, 2018

Date of issue: 23rd February, 2018 Bulletin No: - 773/2018/ Bulletin/English

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	32	32	32	33	33
Min Temp (°C)	13	13	14	14	15
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	65	66	68	65	70
Min RH (%)	22	22	26	29	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

(09.60mm)

Aizawl- 0.00mm Champhai- 0.00mm

Saiha- 0.00 mm Kolasib- 0.00mm (08.44mm)(09.40mm)

(09.28mm)(10.31mm)Lawngtlai-0.00mm Lunglei-0.00mm

Mamit-0.00mm (08.86mm)

Serchhip-0.00mm

(08.44mm)

(10.88mm)Weather summary of the past three days

Weather forecast valid from 24thFebruary, 2018 To 28thFebruary, 2018.

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):14-16°C Maximum RH (%):77-85% Minimum RH (%):43-54% Wind Direction: Southeasterly

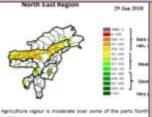
Cloud cover: Clear sky Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

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 32-33°C and 13-15°C. Maximum relative humidity is expected in the range of 65-70% and minimum may from 22-29%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | 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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Flushing	< °	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	Ĭ	1	rainfall. So weekly irrigation is required
LIME	)	W. J	for upcoming week or use straw mulch
COAD EDILLO	(	1 1	reduces soil water loss.
STAR FRUIT	3	Company of the second	♣ Pruning should involve removing
	1		unhealthy, unwanted and poorly
PLUM AND			positioned branches but minimise the loss of healthy foliage.
PEACH	MAMIT		The best time to prune is soon after
PEACH	5	AIZAVA	harvest in winter to early spring before
	1	Contenue:	bud break. For late varieties where two
	1	5	crops may hang on the tree at once
	1	6.7	some of the new crop may be lost.
	- 1		
	1	~ 7	mixture to reduce the damage of white
	1)		ant upto 4 feet height.
		SERCHH	Apply Bordeaux mixture to the plant after
	- 1	V Lang	pruning.
	5		Application of split dose of fertilizer 600:
			200:100 (g/pt).
		Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	3	and Dieback	protect healthy plant from soil borne
		und Diobdon	disease.
PLANTATION CR			
COFFEE	Blooming		4 If day temperature and prolong dry
	stage	100	spell occur it lead to Floral abnormalities like "Star Flower" in
	,	1 60 4	Arabica and "Pink Flower" in Robusta.
		1	♣ Irrigation of plants at alternate day's
		LAWNGTLAL	interval, 6 weeks before harvesting
		SAIHA	in an
		( SAITA	development, and reduces fruit
			cracking and improves the fruit quality.
			♣ Mulching should be done with dry
		1 1	2   P 2 G 2
		74	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)



			grasses near the tree base to conserve
			soil moisture during winter.
			♣ The young fruit plant must be irrigated
		/	at weekly interval for better
	3 1	2	establishment.
		7	♣ Foliar application of Mepiquat chloride
		KOLASIB	@ 1000 PPM concentration or 0.75%
	4	l	SSP @ 1.5 g per 200 lt of water 15 days
	)	W )	interval.
Rubber	Vegetative		♣ According to forecast and past weather
	stage	5	record, there is no probability of
			rainfall. So weekly irrigation is required
	12		for upcoming week or use straw mulch
	MAMIT	3	reduces soil water loss.
	5	AIZAWL I	Farmers can go for tapping upto last
	1	Valletine.	week of January.
	1	j )	♣ Make fire line around the field to save
	1	2 2 7	from fire.
	1		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1 6		between 4 plants. Store dried leaves in
	1		the pit and after 4 months it can use as
		SERCHH	manure.
Strawberry	Fruit	V~1	♣ Possibility of rain will be very less. So
	formation to		provide water every alternate day.
	harvesting		♣ Harvest all mature fruits or partially
	stage		matured fruit
		Managery	♣ Periodical harvest must be done once in
CEREALS AND I	PILLSE CROPS	LUNGLEL	a week
Rabi Maize	Harvesting		♣ Possibility of rain will be very less.
Itabi Maize	stage	n En	Harvest all the mature cobs.
	stage	1	♣ Keep harvested cobs in sundry for 8 to
			10 days to keep the moisture level
			below 10%.
	N	1 50 4	♣ 25% seed will keep as seed for next
		1	year.
		LINDSTANCE	♣ Parrot attacking trap should be made
		LAWNGTLAN	around field to escape crop from
		SAIHA	damage.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Greengram	formation	1 2 1	provide water every alternate day.
		6 1	210
		4	3   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)



4 | Page

and blackgram	stage		Collection and destruction of damage plant or plant part and spraying of any
		5	systemic insecticide @ 2ml/lit should
	1	1	be done.
	1	5	♣ Apply 2% urea solution to avoid stress
		KOLASIB	condition.
Zone tillege	Pod	1	<ul><li>Provide irrigation once in a week.</li><li>Possibility of rain will be very less. So</li></ul>
Zero tillage	formation	Zero tillage	provide water every alternate day.
Soybean cultivation in		2 1	<ul> <li>Collection and destruction of damage</li> </ul>
	stage	Commercial	plant or plant part and spraying of any
Jhum	1		systemic insecticide @ 2ml/lit should
		/	be done.
	MAMIT		♣ Apply 2% urea solution to avoid stress
	5	AIZAWL I	condition.
	- 1	1	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	6 6 7	provide water every alternate day.
	stage		♣ Apply split dose of fertilizer for better
		~ 7	growth.  Collection and destruction of Blister
	1)		beetles and spraying of Neem oil
		SERCHN	@3ml/lit should be done.
	Į.	V Lang	♣ Apply split dose of fertilizer for better
	5		growth.
	4		Provide irrigation once in a week.
VEGETABLE CRO	)P		
Ginger and	Harvesting	LUNGLEI	<b>♣</b> Turmeric and ginger is harvested when
turmeric	stage		leaves start yellowing and ultimately
		5500	the stem dries down.
		11	The plants are-cut close to the ground.
			The crop is irrigated lightly for easy digging.
		100	<ul><li>Harvesting consists of digging of</li></ul>
		1 6 4	underground clumps of rhizomes
		1	with pick axe or digging fork.
		LIMMETTAL	Fingers are separated from mother
		LAWNGTLAL	rhizomes.
		( SAINA	♣ Wash clumps of rhizomes with water
			and keep it for sundry.
			♣ Seed stock will be store from partially
		6	

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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)



			dry sample.
			Cut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting		♣ According to forecast and past weather
crop	stage	1	record, there is no probability of
СГОР	Stage	7	rainfall. So weekly twice irrigation is
	1	KOLASIB	required for upcoming week or use
	- 4	6.	straw mulch reduces soil water loss.
	1	60°5	♣ Harvest all mature cards.
	5		♣ Don't spray any kind of pesticide to the
	7	Since	crop which creates more health hazard.
Onion	Bulb	Poly house	Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	1	♣ Intercultural operations should be
		LAIZAWL I	done regularly to keep the crop free
	1	Constant Constant	from weeds and better growth of bulb.
	1	j y	Remaining quantity of nitrogen is
	1	6 6 7	applied 30-40 days after transplanting.
	1		Provide irrigation if water is require.
	1		Low temperature and high humidity
	1)		influence the population of onion trips.
	-	SERCHN	Apply any systemic insecticide 1.5
French bean	Florroging to	V~ 1~	ml/lt of water.  ♣ Possibility of rain will be less coming
French bean	Flowering to		five days. So alternate irrigation should
	fruiting stage		be done 5 days interval.
	1.0		Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	3	2007/2009/2001	Low temperature and high humidity
	1.7	200,000	influence the activity of stem rot. Apply
	-	N (0)	Hexaconazole 1.5 ml/lt of water for
			better growth and development
Capsicum	Vegetative	Poly house	Intercultural operations should be done
	stage		regularly to keep the crop free from
		30	weeds and aeration of the root system.
			Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting.
		SAIHA	<ul><li>Provide irrigation if water is require.</li><li>Apply any systemic insecticide to</li></ul>
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1	According to forecast and past weather
Dillijai	i ruiting to	6	- Theorems to infector and past weather

5 | 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)



6 | Page

	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	N-		required for upcoming week or use
	( )	6	straw mulch reduces soil water loss.
	) \	3	♣ Interculture operation should be done
		KOLASIB	near to the base of the plant.
	1	NULHOID	4 Apply split dose of nitrogenous
	)	LA.	fertilizer to the plant.
	(	3 4 /	Fruit and shoot borer attack will mare
	7		in dry weather. Apply any systematic
	1	7	insecticide for better cure.
		77	Harvest all mature fruit.
	MAMIT		♣ Seed must be keep for next rabi
Chilli			season.  4 According to forecast and past weather
Ciliii	Vegetative to flowering	( AIZAWL )	record, there is no probability of
		1	rainfall. So weekly twice irrigation is
	stage	( 3	required for upcoming week or use
	-	1 83	straw mulch reduces soil water loss.
	1	1 3 4	<b>♣</b> Interculture operation should be done
	100		near to the base of the plant.
		SERCHN	Apply split does of nitrogramsus
		SERONN	fertilizer to the plant.
	V	IMA Theres	Mature fruit should be harvested and
Tomato	Flowering to	-	According to forecast and past weather
	harvesting		record, there is no probability of
	stage	Carrier - Co	rainfall. So weekly twice irrigation is
		LUNGLEI	required for upcoming week or use
	3		straw mulch reduces soil water loss.
		500	If irrigation is not available keep grass and dry leaves as mulch.
	- 7	1	Harvest all the mature which colour
			change to pale yellow to red.
		100	Seed must be keep from self pollinated
		1 60 4	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		Accession with the second second	or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		SAIHA	fortnightly intervals at flowering and fruit initiation.
Potato	Harvesting		If the leaves and plant became dry it
FULATO	narvesung	1 2 1	means plant ready for harvesting.
	<u> </u>		means plant ready for marvesums.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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	a.k.a			Ones the firmery with the help of
	stage		-	Open the furrow with the help of spade, harvest all mature tubers.
				Discard all mother tubers from
			_	harvested potato tubers.
	1. 1	8		Keep 7 -10 days for drying or reduce
	1 1	7	_	the moisture level in shed dry.
		KOLASIB		Keep 25% seed for next season sowing.
ANIMAL HUSBEN	IDADV	The state of the s		Reep 25% seed for flext season sowing.
Pig	All stages	WY 3	4	Animals must keep in dry place or
Fig	All Stages	1 1	_	kept in alleviated area and dry bedding
	3	The second second		(straw) to be provided to young
	1			animals.
	J		4	1st injection at 6 months of age and
	MAMIT		_	2nd injection at 12 months of age
	Z. 10000000	A CONTRACTOR OF THE PARTY OF TH	55005	followed by annual vaccination under
	1	A AIZAWL	CHA	vet supervision against FMD.
	- 1	1	4	Reduce concentrate diet up to 5%.
	(	(		Provide adequate potable water.
	1	2 1	4	In present weather conditions
	1	1 3 4	-	vaccinate against swine fever (Vaccines
	100		-2	available in State Veterinary Departs)
		Porcine	15.1	Culling of positive pigs or piglets.
		Reproductive	(	
	9	Respiratory	100	3
		Syndrome (PRRS).		1
Cattle	All age group		+	In present weather conditions, special
	77			care should be taken against attack of
		LUNGLEI		maggots in the wounds of animals.
	3			Application of turpentine oil in the
		500		wounds followed by application of
	. 7	11 ( 2		antibiotics for five days is advised.
	)			Provide UMB/Molases if possible in the
	(0	1 9 8		feed
	, i			Provide 10-30 ml of vitamin B-Complex
				in feed
				1st injection at 6-8 weeks of age, 2nd
		LAWNGTLAL		injection after 6 months of 1st injection
		SAIHA		followed by annual vaccination under
		1	4 9	vet supervision. Separate sick animals.
			-17	The animal should be washed with
		0 1	1	THE AIRMAN SHOULD DE WASHED WITH
		VIV.	7	7   P a g e

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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	5		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	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	J		7
	Monitoring of fish in pond	LAWNGTLALSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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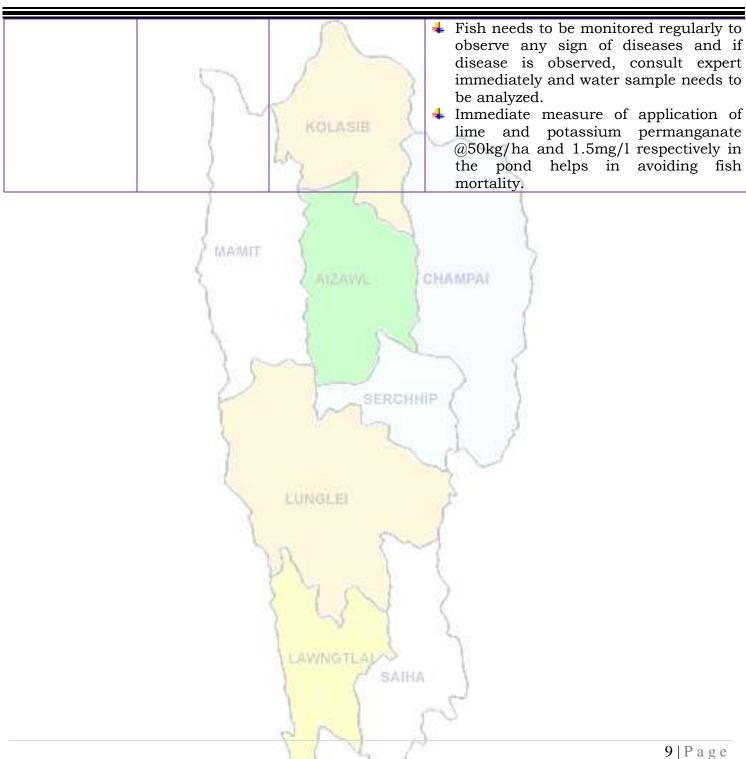


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Mizoram Centre, Kolasib- 796081, MIZORAM

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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

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: Lunglei Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

Date of issue: 23rd February, 2018

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	32	32	32	33	33
Min Temp (°C)	13	13	14	14	15
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	65	66	68	65	70
Min RH (%)	22	22	26	29	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 18.1mm

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):14-16°C Maximum RH (%):77-85% Minimum RH (%):43-54%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2-3 km/hr

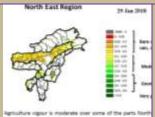
Rainfall: 00.0 mm

### 24<sup>th</sup> February – 28<sup>th</sup> February, 2018 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 32-33°C a ni ang a. A vawh lai ber in 13-15°C ni tura beisei a ni. RH san lai berin 65-70% leh a hniam lai berin 22-29% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 04.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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)



2 | Page

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

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### ICAR RESEARCH COMPLEX FOR NEH REGION

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 1	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. 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
	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	<b>1 7 7 7 1 1 1 1 1 1 1</b>
Rabi Maize	A chin hun	11	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	11	1 50 7	♣ 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 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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

4 | Page

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

5 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

6 | Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCR		1-6 ah F1 vaccine pek tur ani a, chuan
	measures	GO )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	8			ani.
	)	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMI	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL I	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI			a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turin
		SERON		hmun ro leh uap lutuk lo ah dahthat
		SERCH	111	tur ani a, hmuar atang a tur lo inseam
	V V	The state of the s		thin, aflatoxin avang a sangha thi lak
		1		atangin sangha a him phah thin.
		100	-	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	00	buatsaih a ti awlsam a, dil mawng
	3		9	phoro, chinai phul, leitha hman leh tul
		50	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em
		11	7	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
		135 6	8	enfiah vat tur ani.
		1 7 3	4	A ranglam a chinai @50kg/ha leh
		1	8	tuisen @1.5mg/l diltui a hman hian
		I was a second		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	A.	)
				7-
		1 2	1	9
		100	3.11	

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: 24 February - 28 February, 2018

Date of issue: 23rd February, 2018 Bulletin No: - 773/2018/ Bulletin/English

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	29	30	30	31	31
Min Temp (°C)	11	11	12	12	13
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm (09.28mm)(10.31mm)

Kolasib- 0.00mm (08.44mm)(09.40mm)

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm) Mamit-0.00mm (08.86mm) Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

Weather forecast valid from 24thFebruary, 2018 To 28thFebruary, 2018.

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):15-16°C Maximum RH (%):70-76% Minimum RH (%):41-56% Wind Direction: Southeasterly

Cloud cover: Clear sky

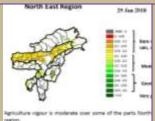
Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

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 11-13°C. Maximum relative humidity is expected in the range of 76-88% and minimum may from 20-29%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flushing	< 3	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of
AND ACID	7		rainfall. So weekly irrigation is required
LIME	)	C AN	for upcoming week or use straw mulch
STAR FRUIT	(	2 1	reduces soil water loss.
SIAK FRUII	3	Come L	♣ Pruning should involve removing
	1		unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND	2	/	loss of healthy foliage.
PEACH	MAMIT		The best time to prune is soon after
PEACH	5	AIZAWL )	harvest in winter to early spring before
	1	Constant 1	bud break. For late varieties where two
	1	)	crops may hang on the tree at once
	1	8 /	some of the new crop may be lost.
	1	~ 7	mixture to reduce the damage of white
	1)		ant upto 4 feet height.
		SERCHN	Apply Bordeaux mixture to the plant after
	- 1	V Lang	pruning.
	5		Application of split dose of fertilizer 600:
			200:100 (g/pt).
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	3	and Dieback	protect healthy plant from soil borne
	2.7	and Dieback	disease.
PLANTATION CR			
COFFEE	Blooming		♣ If day temperature and prolong dry
	stage	137 6	spell occur it lead to Floral abnormalities like "Star Flower" in
	l l	1 68 3	Arabica and "Pink Flower" in Robusta.
		1	♣ Irrigation of plants at alternate day's
		Laurence	interval, 6 weeks before harvesting
		LAWNGTLAL	in an
		( SAINA	development, and reduces fruit
			cracking and improves the fruit quality.
			♣ Mulching should be done with dry
		6 1	2   D o o o
		4 (	2   P a g e

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3 | Page

				grasses near the tree base to conserve soil moisture during winter.
			4	The young fruit plant must be irrigated
	()	/		at weekly interval for better
	) \	-1		establishment.
	1 3	KOLASIB (	. +	Foliar application of Mepiquat chloride
	- 1	110000000	8	@ 1000 PPM concentration or 0.75%
	)	GA.		SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative		4	According to forecast and past weather
	stage	Same		record, there is no probability of
		5		rainfall. So weekly irrigation is required
	8			for upcoming week or use straw mulch
	J' MAMIT	1	_	reduces soil water loss.
	1	Z AIZAWL Z	*	Farmers can go for tapping upto last
				week of January.  Make fire line around the field to save
	1	3		from fire.
	4	1 66	4	Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1	1 3 4	= "	between 4 plants. Store dried leaves in
	1			the pit and after 4 months it can use as
		SERCON	l to	manure.
Strawberry	Fruit	~	+	Possibility of rain will be very less. So
	formation to		١.	provide water every alternate day.
	harvesti <mark>ng</mark>		-	Harvest all mature fruits or partially matured fruit
	stage		4	Periodical harvest must be done once in
	1	1 (19)(31 E)		a week
CEREALS AND F	PULSE CROPS			
Rabi Maize	Harvesting	500		Possibility of rain will be very less.
	stage	W ( ~		Harvest all the mature cobs.
			*	Keep harvested cobs in sundry for 8 to
		155 6		10 days to keep the moisture level
		( F3 A	4	below 10%. 25% seed will keep as seed for next
		1	_	year.
		LINNIGHT	4	Parrot attacking trap should be made
		LAWNGTLAL		around field to escape crop from
		3(2)		damage.
Zero tillage	Pod	Zero tillage	<sub>-</sub> +	Possibility of rain will be very less. So
Greengram	formation	200		provide water every alternate day.

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4 | Page

and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
			be done.
	2	1	♣ Apply 2% urea solution to avoid stress
	1	V	condition.
	1	KOLASIB	♣ Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	1 4 /	provide water every alternate day.
cultivation in	stage		♣ Collection and destruction of damage
Jhum	1	2	plant or plant part and spraying of any
	, J		systemic insecticide @ 2ml/lit should be done.
	MAMIT		♣ Apply 2% urea solution to avoid stress
	2 1/25/11/1	1	condition.
	1	( AIZAWL )	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	(	provide water every alternate day.
	stage	1 50	♣ Apply split dose of fertilizer for better
			growth.
	)		♣ Collection and destruction of Blister
		SERCHN	beetles and spraying of Neem oil
	1		@3ml/lit should be done.
	1		♣ Apply split dose of fertilizer for better growth.
	1	100	Provide irrigation once in a week.
VEGETABLE CRO	)P		+ Hovide Hilgadon once in a week.
Ginger and	Harvesting	LUNGLEI	♣ Turmeric and ginger is harvested when
turmeric	stage	the south and th	leaves start yellowing and ultimately
		000	the stem dries down.
	. 5	17 (~~	The plants are-cut close to the ground.
		91	♣ The crop is irrigated lightly for easy
		19 6	digging.
			+ Harvesting consists of digging of
		( -3)	underground clumps of rhizomes with pick axe or digging fork.
		Anna marana and and a	Fingers are separated from mother
		LAWNGTLAN	rhizomes.
		# SAIHA	<b>↓</b> Wash clumps of rhizomes with water
			and keep it for sundry.
		A sa l	♣ Seed stock will be store from partially
		6	

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			dry sample.  4 Cut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting	/	♣ According to forecast and past weather
crop	stage	2	record, there is no probability of
•		V comment	rainfall. So weekly twice irrigation is
	1	KOLASIB	required for upcoming week or use
	1	LA	straw mulch reduces soil water loss.
	/	7 4 7	Harvest all mature cards.
	7		♣ Don't spray any kind of pesticide to the
	- 1	5 6	crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	1	Intercultural operations should be
	300	Z ATZAWIL Z	done regularly to keep the crop free
			from weeds and better growth of bulb.  Remaining quantity of nitrogen is
	1	3	applied 30-40 days after transplanting.
	1	1 66	Provide irrigation if water is require.
	1 0	1 3 4	Low temperature and high humidity
	100		influence the population of onion trips.
		SERCHN	4 Apply any systemic insecticide 1.5
		SERONN	ml/lt of water.
French bean	Flowering to		♣ Possibility of rain will be less coming
	fruiting stage		five days. So alternate irrigation should
			be done 5 days interval.
	3.6	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	1		Low temperature and high humidity influence the activity of stem rot. Apply
	-	- F	Hexaconazole 1.5 ml/lt of water for
		11	better growth and development
Capsicum	Vegetative	Poly house	♣ Intercultural operations should be done
- ap sauce	stage		regularly to keep the crop free from
	55050	) 55 Y	weeds and aeration of the root system.
			Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting.
		SAIHA	Provide irrigation if water is require.
			Apply any systemic insecticide to
		1	reduce damage of chilli thrips.
Brinjal	Fruiting to	200	4 According to forecast and past weather

5 | Page

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	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		-	required for upcoming week or use
	1 1	1	straw mulch reduces soil water loss.
	1 \	5	Interculture operation should be done
		KOLASIB	near to the base of the plant.
	1	1	4 Apply split dose of nitrogenous
	)	W. J	fertilizer to the plant.  Fruit and shoot borer attack will mare
		1 1	in dry weather. Apply any systematic
	3		insecticide for better cure.
	Į.		♣ Harvest all mature fruit.
			♣ Seed must be keep for next rabi
	MAINIT		season.
Chilli	Vegetative to	AIZAVAL	According to forecast and past weather
	flowering	Contenue:	record, there is no probability of
	stage	5	rainfall. So weekly twice irrigation is
	T <sub>s</sub>	2	required for upcoming week or use
	1		straw mulch reduces soil water loss.
	1		Interculture operation should be done
			near to the base of the plant.  Apply split dose of nitrogenous
		SERCHN	Apply split dose of nitrogenous fertilizer to the plant.
	1	V	<ul><li>Mature fruit should be harvested and</li></ul>
Tomato	Flowering to		♣ According to forecast and past weather
7 0111400	harvesting		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	beage	LUNGLEI	required for upcoming week or use
	3	TOTAL STREET	straw mulch reduces soil water loss.
		000	If irrigation is not available keep grass
		W ( ~	and dry leaves as mulch.
			Harvest all the mature which colour
		155 6	change to pale yellow to red.  Seed must be keep from self pollinated
	1	( [ ] ]	variety.
		Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
		Accessed to the second	or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		/ SAIHA	fortnightly intervals at flowering and fruit initiation.
Potato	Harvesting		Introduction.  If the leaves and plant became dry it
Fotato	mai vesting	10 10	means plant ready for harvesting.
	I	THE P	6   Page

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	a.k.a	150	Onen the frame	h the belong
	stage		Open the furrow wit spade, harvest all matu	
			<b>-</b>	tubers from
			harvested potato tubers	
	1. 1	8	Keep 7 -10 days for d	
	1 1	7	the moisture level in sh	
		KOLASIB		
ANIMAL HUSBEN	IDADV	A STATE OF THE STA	Keep 25% seed for next	season sowing.
Pig		WY 3	Animals must keep i	n dry place or
Fig	All stages	2 1	kept in alleviated area	
	3	Control of the second	(straw) to be provide	
	1		animals.	aca to young
	J		1st injection at 6 mon	ths of age and
	MAMIT		2nd injection at 12	
	Z. 10000000	A CONTRACTOR OF THE PARTY OF TH	followed by annual va-	
	1	( AIZAWL )	vet supervision against	
	- 1	7	Reduce concentrate die	
	(	(	Provide adequate potab	
	1	2 1	In present weath	
	1	- 1 3 A	vaccinate against swine	
	100		available in State Veter	•
		Porcine	1. Culling of positive pigs	or piglets.
		Reproductive		
	V	Respiratory	1 3	
		Syndrome (PRRS).	ila I	
Cattle	All age group		In present weather cor	_
		0.0000000000000000000000000000000000000	care should be taken a	
		LUNGLEI	maggots in the woun	
	3		Application of turpent	
		500	wounds followed by	
	. 7	11 ( 2	antibiotics for five days	
	)	9\	Provide UMB/Molases is	f possible in the
	(0	19 8	feed	
	, i		Provide 10-30 ml of vita	ımın B-Complex
		-	in feed	-16 0: 1
			1 <sup>st</sup> injection at 6-8 we	
		LAWNGTLAL	injection after 6 months	
		# SAIHA	followed by annual vacuet supervision.	comation under
			Separate sick animals.	
			The animal should b	ne washed with
		0 1	The animal should b	wasiicu willi
		V V		7   P a g e

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	5		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	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	J.	- 13	3
	Monitoring of fish in pond	LAWNGTLALSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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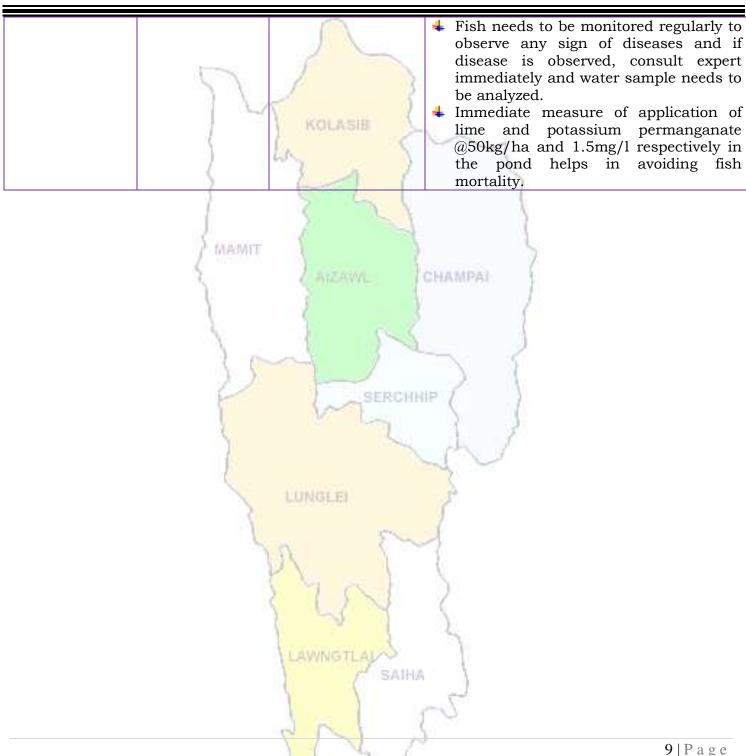


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District: Mamit Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

	1.0	P	5		
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Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Sa

Saiha- 0.00 mm Kolasib- 0.00mm

Date of issue: 23rd February, 2018

(10.31mm) Lawngtlai-0.00mm (09.28mm) Lunglei-0.00mm (08.44mm) (09.40mm)
Mamit-0.00mm Serchhip-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

24<sup>th</sup> February – 28<sup>th</sup> February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):15-16°C Maximum RH (%):70-76% Minimum RH (%):41-56% Wind Direction: Southeasterly

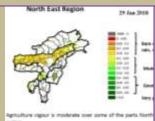
Cloud cover: Clear sky Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

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 11-13°C ni tura beisei a ni. RH san lai berin 76-88% leh a hniam lai berin 20-29% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 04.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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)



2 | Page

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

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

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

4 | P a g e

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

5 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

6 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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7 | P a g e

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

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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: 24 February - 28 February, 2018

Date of issue: 23rd February, 2018 Bulletin No: - 773/2018/ Bulletin/English

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	28	28	29	29	30
Min Temp (°C)	11	12	12	12	13
Cloud Coverage	Clear sky				
Max RH (%)	84	70	73	67	67
Min RH (%)	27	36	28	26	35
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)Lunglei-0.00mm

(08.44mm)Mamit-0.00mm

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):21-23°C Minimum Tem. (°C):14-15°C

Maximum RH (%):72-81%

Minimum RH (%):38-42% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

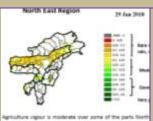
Rainfall: 00.0 mm

Weather forecast valid from 24thFebruary, 2018 To 28thFebruary, 2018.

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 28-30°C and 11-13°C. Maximum relative humidity is expected in the range of 67-84% and minimum may from 26-36%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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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	Flushing	<" 3	♣ According to forecast and past weather		
MANDARIN	stage	KOLASIB	record, there is no probability of		
AND ACID	7		rainfall. So weekly irrigation is required		
LIME	)	CA.	for upcoming week or use straw mulch		
STAR FRUIT	(	2 1	reduces soil water loss.		
SIAK FRUII	3	Common Land	♣ Pruning should involve removing		
	1		unhealthy, unwanted and poorly positioned branches but minimise the		
PLUM AND	2		loss of healthy foliage.		
PEACH	MAMIT		The best time to prune is soon after		
PEACH	5	AIZAWL	harvest in winter to early spring before		
	1	Consume:	bud break. For late varieties where two		
	1	)	crops may hang on the tree at once		
	1	8 /	some of the new crop may be lost.		
	- 1		↓ Use Bordeaux paste or insecticide paste		
	1	~ 7	mixture to reduce the damage of white		
	1)		ant upto 4 feet height.		
		SERCHH	Apply Bordeaux mixture to the plant after		
	- (	V Lang	pruning.		
	5		4 Application of split dose of fertilizer 600:		
			200:100 (g/pt).		
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux		
		citrus greening	past in tree trunk, twigs and branches		
	3	and Dieback	protect healthy plant from soil borne		
	20/10	una Diobach	disease.		
PLANTATION CR					
COFFEE	Blooming		♣ If day temperature and prolong dry		
	stage	7 661	spell occur it lead to Floral		
	,	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		
		1	♣ Irrigation of plants at alternate day's		
		Linumerrand	interval, 6 weeks before harvesting		
		LAWNGTLAL	in an		
		( SAINA	development, and reduces fruit		
			cracking and improves the fruit quality.		
			♣ Mulching should be done with dry		
		6 1	2   D o o o		
2   P a g e					

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Mizoram Centre, Kolasib- 796081, MIZORAM

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3 | Page

				grasses near the tree base to conserve soil moisture during winter.
			4	The young fruit plant must be irrigated
	1	1		at weekly interval for better establishment.
	1 1	7	4	Foliar application of Mepiquat chloride
	1 2	KOLASIB	20	(a) 1000 PPM concentration or 0.75%
	ή.	f. (	3	SSP @ 1.5 g per 200 lt of water 15 days
	1	W )		interval.
Rubber	Vegetative		+	According to forecast and past weather
	stage	2 5		record, there is no probability of
	J			rainfall. So weekly irrigation is required for upcoming week or use straw mulch
	MAMIE			reduces soil water loss.
	2 1000000	1	24	Farmers can go for tapping upto last
	1	( AIZAWIL )	i.	week of January.
	1	5 3	4	Make fire line around the field to save
	45	1		from fire.
	1		+	Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1			between 4 plants. Store dried leaves in
	1)			the pit and after 4 months it can use as manure.
Strawberry	Fruit	SERCHH	4	Possibility of rain will be very less. So
	formation to	No.		provide water every alternate day.
	harvesting		4	Harvest all mature fruits or partially
	stage		٥.	matured fruit
		MILLISTEN	+	Periodical harvest must be done once in
CEREALS AND I	PIII.SE CROPS	LUNGLEI		a week
Rabi Maize	Harvesting	all a	4	Possibility of rain will be very less.
	stage	17 3		Harvest all the mature cobs.
	3363		4	Keep harvested cobs in sundry for 8 to
	(	( 19 20)		10 days to keep the moisture level
				below 10%.
		20	+	25% seed will keep as seed for next
		The same of the sa	4	year. Parrot attacking trap should be made
		LAWNGTLAN		around field to escape crop from
		SAIHA		damage.
Zero tillage	Pod	Zero tillage	<u>"</u> +	Possibility of rain will be very less. So
Greengram	formation	121		provide water every alternate day.
		The second secon	177	

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4 | P a g e

0 m d	ata ==		♣ Collection and destruction of damage
and	stage		
blackgram			plant or plant part and spraying of an
		1	systemic insecticide @ 2ml/lit shoul
	1	P 3	be done.
	1 1	5	♣ Apply 2% urea solution to avoid stres
		KOLASIB	condition.
	1	A STATE OF THE STA	Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	4 Possibility of rain will be very less. S
Soybean	formation	7 4 7	provide water every alternate day.
cultivation in	stage		♣ Collection and destruction of damag
Jhum	Ĭ	5	plant or plant part and spraying of an
		5	systemic insecticide @ 2ml/lit shoul
	2		be done.
	J. WAINIT	)	♣ Apply 2% urea solution to avoid stres
	5	1	condition.
	- 1	( AIZAWL )	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	4 Possibility of rain will be very less. S
Toria	formation	5	provide water every alternate day.
10114	stage	1	4 Apply split dose of fertilizer for bette
	stage	7 7	growth.
	100		♣ Collection and destruction of Bliste
			beetles and spraying of Neem o
	-	SERCHH	@3ml/lit should be done.
	-	1	4 Apply split dose of fertilizer for bette
	-		growth.
	1		Provide irrigation once in a week.
VEGETABLE CRO	)P		+ Trovide irrigation office in a week.
Ginger and	Harvesting	LUNGLEI	♣ Turmeric and ginger is harvested whe
turmeric	stage	5-77-5-5-1-11	leaves start yellowing and ultimated
carmono	Stage		the stem dries down.
	1	m ?	♣ The plants are-cut close to the ground.
		138	♣ The crop is irrigated lightly for eas
			digging.
			Harvesting consists of digging of
		1 60 4	underground clumps of rhizome
		1	with pick axe or digging fork.
		A contract to the contract of	Fingers are separated from mother
		LAWNGTLAND	rhizomos
		# SAIHA	<b>↓</b> Wash clumps of rhizomes with water
			and keep it for sundry.
		A	<b>↓</b> Seed stock will be store from partial
		0 1	- Seed stock will be store from partial

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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)



			dry sample.  Cut the rhizome to small pieces for
Early cole crop	Harvesting stage	KOLASIB	proper drying.  According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature cards.  Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
	15	SERCHH	<ul> <li>Low temperature and high humidity influence the population of onion trips.</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
French bean	Flowering to fruiting stage	LUNGLEI	<ul> <li>Possibility of rain will be less coming five days. So alternate irrigation should be done 5 days interval.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after sowing.</li> <li>Low temperature and high humidity influence the activity of stem rot. Apply Hexaconazole 1.5 ml/lt of water for better growth and development</li> </ul>
Capsicum	Vegetative stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to	201	According to forecast and past weather

5 | 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)



	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	1	1	required for upcoming week or use
	1	1	straw mulch reduces soil water loss.
	1	5	Interculture operation should be done
		KOLASIB	near to the base of the plant.
	1		Apply split dose of nitrogenous fertilizer to the plant.
	)	C	Fruit and shoot borer attack will mare
	(	1 1	in dry weather. Apply any systematic
	3		insecticide for better cure.
	Į.		<ul><li>♣ Harvest all mature fruit.</li></ul>
			♣ Seed must be keep for next rabi
	MAINIT		season.
Chilli	Vegetative to	0.77000	According to forecast and past weather
	flowering	( AIZAWL	record, there is no probability of
	stage	5	rainfall. So weekly twice irrigation is
	Ž.	1	required for upcoming week or use
	1		straw mulch reduces soil water loss.
	2 6		♣ Interculture operation should be done
			near to the base of the plant.
		SERCHN	Apply split dose of nitrogenous
	1	V~1~	fertilizer to the plant.  Mature fruit should be harvested and
Tomato	Flowering to		<ul> <li>♣ According to forecast and past weather</li> </ul>
Tomato	harvesting		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	stage	LUNGLEI	required for upcoming week or use
	-	H1000000000000000000000000000000000000	straw mulch reduces soil water loss.
	2.7	200	If irrigation is not available keep grass
	7	17 (~~	and dry leaves as mulch.
		91	Harvest all the mature which colour
		19 8	change to pale yellow to red.
			Seed must be keep from self pollinated variety.
		Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
		Accession and a second second	or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		# SAIHA	fortnightly intervals at flowering and fruit
Detata	Uomrestine		initiation.  If the leaves and plant became dry it
Potato	Harvesting	1 2 1	means plant ready for harvesting.
	<u> </u>	7 / 7	
		-	6   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



7 | Page

	stage	1	<ul> <li>♣ Open the furrow with the help of spade, harvest all mature tubers.</li> <li>♣ Discard all mother tubers from</li> </ul>
	1	KOLASIB	<ul> <li>harvested potato tubers.</li> <li>♣ Keep 7 -10 days for drying or reduce the moisture level in shed dry.</li> <li>♣ Keep 25% seed for next season sowing.</li> </ul>
ANIMAL HUSBE	NDARY		Fileop 2070 Seed for Helic Sedson Sowing.
Pig	All stages	AIZAVAL O	<ul> <li>♣ Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>♣ 1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>♣ Reduce concentrate diet up to 5%.</li> <li>♣ Provide adequate potable water.</li> <li>♣ In present weather and ditions</li> </ul>
	1	Porcine Reproductive Respiratory	In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)  1. Culling of positive pigs or piglets.
Cattle	All age group	LUNGLEI	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>▶ Provide UMB/Molases if possible in the feed</li> <li>▶ Provide 10-30 ml of vitamin B-Complex in feed</li> <li>♣ 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>♣ Separate sick animals.</li> <li>♣ The animal should be washed with</li> </ul>

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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	5		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	AIZAWA. SERCHH	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY			7
	Monitoring of fish in pond	LAWNGTLALSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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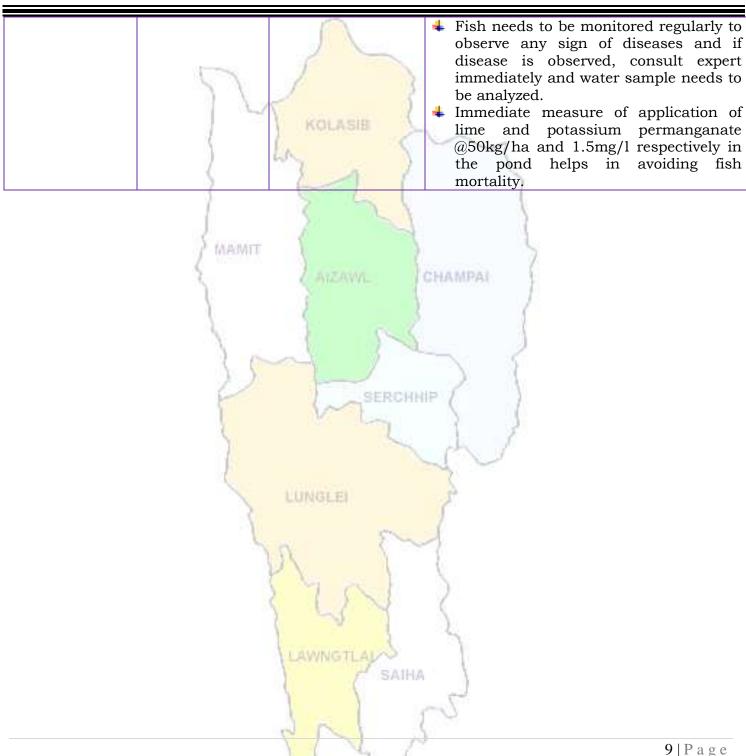


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SAIHA

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: Saiha Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

	2	F	114		
Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	28	28	29	29	30
Min Temp (°C)	11	12	12	12	13
Cloud Coverage	Clear sky				
Max RH (%)	84	70	73	67	67
Min RH (%)	27	36	28	26	35
Wind Speed (KmpH)	4	4	4	4	4
Max RH (%) Min RH (%)	84	70	73	67	67

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)

Lawngtlai-0.00mm (10.88mm)

\*Wind Direction

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm) Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):21-23°C

Minimum Tem. (°C):14-15°C Maximum RH (%):72-81%

Minimum RH (%):38-42% Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

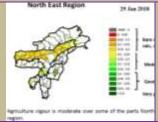
24th February – 28th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 23rd February, 2018

Tun ni 1 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 11-13ºC ni tura beisei a ni. RH san lai berin of 67-84% leh a hniam lai berin 26-36% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 04.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | 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)



2 | P a g e

Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB	Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul
3	la, 5	velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh
}	EL (	kar tin a tui pek thin tur ani.  Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm
& MAMIT		te thlawhfai thin tur ani.  A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
	( AIZAWL.	keh tur lakah t a veng thei ani.
35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	Fruit fly 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.
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
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP  All stages

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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 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.
	- J		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 0	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIN	3   P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

4 | P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

5 | Page

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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)



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

6 | Page

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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7 | P a g e

			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	(		1-6 ah F1 vaccine pek tur ani a, chuan
		W )		a puitlingh chuan R2B vaccine pek tur
	>			ani.
	7	5	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. MAINIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 5		lo hmuar anih chuan pek hma in ni sa
	OIII awij	1 3 7		a phoro phawt tur ani.
	100		4	Sangha chaw hi a hmuar lohna turin
		SERCH	at the same	hmun ro leh uap lutuk lo ah dahthat
		SERUM	11	tur ani a, hmuar atang a tur lo inseam
	<b>V</b>			thin, aflatoxin avang a sangha thi lak
		100		atangin sangha a him phah thin.
		93	-	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	00	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
		5	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em
		11	7	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
		135 6	8	enfiah vat tur ani.
	1	1 1	4	A ranglam a chinai @50kg/ha leh
		1	8	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	4	
				T-1
		1	1	9
		60	1	

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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: Serchhip** Period: 24 February - 28 February, 2018

Date of issue: 23rd February, 2018 Bulletin No: - 773/2018/ Bulletin/English

Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	29	30	30	31	31
Min Temp (°C)	11	11	12	12	13
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	3	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)Mamit-0.00mm

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm

Lunglei-0.00mm

(10.88mm)

(09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):24-25°C Minimum Tem. (°C):15°C

Maximum RH (%):77-85% Minimum RH (%):41-56%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2-3 km/hr

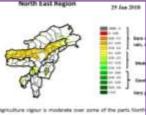
Rainfall: 00.0 mm

Weather forecast valid from 24thFebruary, 2018 To 28thFebruary, 2018.

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 11-13°C. Maximum relative humidity is expected in the range of 76-88% and minimum may from 20-29%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 04.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

1 | Page

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Mizoram Centre, Kolasib- 796081, MIZORAM

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

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			grasses near the tree base to conserve
			soil moisture during winter.
		5	♣ The young fruit plant must be irrigated
	( )	6	at weekly interval for better
	) \	-1	establishment.
	1	V consumer (	♣ Foliar application of Mepiquat chloride
	1	KOLASIB	@ 1000 PPM concentration or 0.75%
	1	La S	SSP @ 1.5 g per 200 lt of water 15 days
	1	7 2	interval.
Rubber	Vegetative		♣ According to forecast and past weather
	stage	5	record, there is no probability of
	1		rainfall. So weekly irrigation is required
	12		for upcoming week or use straw mulch
	MAMIT	3	reduces soil water loss.
	5	AIZAWL I	Farmers can go for tapping upto last
	1	Canediane.	week of January.
	1	)	♣ Make fire line around the field to save
	A.S.		from fire.
	1		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	2 6		between 4 plants. Store dried leaves in
	1		the pit and after 4 months it can use as
		SERVIN	manure.
Strawberry	Fruit	~	♣ Possibility of rain will be very less. So
	formation to		provide water every alternate day.
	harvesting		♣ Harvest all mature fruits or partially
	stage		matured fruit
		UNION-CO	♣ Periodical harvest must be done once in
		LUNGLEI	a week
CEREALS AND I			* D '1'1'. C ' '111 1
Rabi Maize	Harvesting	5	Possibility of rain will be very less.
	stage	11 / 2	Harvest all the mature cobs.
			♣ Keep harvested cobs in sundry for 8 to
		1 7 6	10 days to keep the moisture level
			below 10%.
		-	♣ 25% seed will keep as seed for next
			year.
		LAWNGTLAL	Parrot attacking trap should be made
		# SAIHA	around field to escape crop from
7 a.m. 4:11	D- 4	7 and 4:11	damage.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Greengram	formation	2 5	provide water every alternate day.
		1/1/	3   Page
			5   1 4 5 0

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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4 | Page

and blackgram	stage		Collection and destruction of damage plant or plant part and spraying of any
		1	systemic insecticide @ 2ml/lit should
	1	1	be done.
	1	5	♣ Apply 2% urea solution to avoid stress
		KOLASIB	condition.
Zone tillere	Pod	1	<ul><li>Provide irrigation once in a week.</li><li>Possibility of rain will be very less. So</li></ul>
Zero tillage	formation	Zero tillage	provide water every alternate day.
Soybean cultivation in		1 1	♣ Collection and destruction of damage
Jhum	stage	Control Land	plant or plant part and spraying of any
Jnum	1		systemic insecticide @ 2ml/lit should
	1	/	be done.
	/ MAMIT	( )	♣ Apply 2% urea solution to avoid stress
	5	LAIZAWL I	condition.
			Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	a l	provide water every alternate day.
	stage		♣ Apply split dose of fertilizer for better
	1		growth.  Growth.  Collection and destruction of Blister
	1)		beetles and spraying of Neem oil
		SERCHH	@3ml/lit should be done.
	l l	The state of the s	Apply split dose of fertilizer for better
			growth.
	- 1	6.7	♣ Provide irrigation once in a week.
VEGETABLE CRO			
Ginger and	Harvesting	LUNGLEI	<b>♣</b> Turmeric and ginger is harvested when
turmeric	stage		leaves start yellowing and ultimately
		500	the stem dries down.  The plants are-cut close to the ground.
		17	♣ The crop is irrigated lightly for easy
			digging.
			Harvesting consists of digging of
		1 55 4	underground clumps of rhizomes
			with pick axe or digging fork.
		LAWNGTLAN	Fingers are separated from mother
		SAIHA	rhizomes.
			♣ Wash clumps of rhizomes with water
			and keep it for sundry.
		2 5	♣ Seed stock will be store from partially

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		17	dry sample.
			<b>4</b> Cut the rhizome to small pieces for
			proper drying.
Early cole	Harvesting		♣ According to forecast and past weather
_	stage	1	record, there is no probability of
crop	stage	7	rainfall. So weekly twice irrigation is
	1	KOLASIB	required for upcoming week or use
	(	( . · · · · · · · · · · · · · · · · · ·	straw mulch reduces soil water loss.
	)	wy )	Harvest all mature cards.
	8		♣ Don't spray any kind of pesticide to the
	()		crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
J	formation	7	due to non availability of rain.
	stage	(	♣ Intercultural operations should be
	Stago	1	done regularly to keep the crop free
	1	( AIZAWIL )	from weeds and better growth of bulb.
	1	5	♣ Remaining quantity of nitrogen is
	3	5	applied 30-40 days after transplanting.
	1	1 18	Provide irrigation if water is require.
	0 6		Low temperature and high humidity
	7		influence the population of onion trips.
		SERCHN	4 Apply any systemic insecticide 1.5
		~	ml/lt of water.
French bean	Flowering to	1100	♣ Possibility of rain will be less coming
	fruiting stage		five days. So alternate irrigation should
			be done 5 days interval.
	16	AUTO CONTRACTOR	Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	1		Low temperature and high humidity
		500	influence the activity of stem rot. Apply
		1	Hexaconazole 1.5 ml/lt of water for better growth and development
Capsicum	Vegetative	Poly house	♣ Intercultural operations should be done
Capsicuiii		Foly House	regularly to keep the crop free from
	stage	1 6 4	weeds and aeration of the root system.
		1	Remaining quantity of nitrogen is
		I manage and	applied 30-40 days after transplanting.
		LAWNGTLAN	Drovido irrigation if water is require
		# SAIHA	Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1 5 0	According to forecast and past weather
		(a) (b)	

5 | Page

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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6 | Page

	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	11-0-2		required for upcoming week or use
	( )	6	straw mulch reduces soil water loss.
	) \	3	♣ Interculture operation should be done
		KOLASIB	near to the base of the plant.
	1	NULHOID	4 Apply split dose of nitrogenous
	1	60	fertilizer to the plant.
	(	3 4 /	Fruit and shoot borer attack will mare
	7		in dry weather. Apply any systematic
	1	7 6	insecticide for better cure.
		20	Harvest all mature fruit.
	S conner		♣ Seed must be keep for next rabi
Chilli	Vogetative to		season.  According to forecast and past weather
Chin	Vegetative to	Z ATZAWIL I	record, there is no probability of
	flowering	1	rainfall. So weekly twice irrigation is
	stage	( 3	required for upcoming week or use
	4	1 66	straw mulch reduces soil water loss.
	1	1 3 1	Interculture operation should be done
	No. C		near to the base of the plant.
			Apply split does of nitrogramous
		SERCHN	fertilizer to the plant.
	l l		♣ Mature fruit should be harvested and
Tomato	Flowering to		According to forecast and past weather
	harvesting		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	3	LUNGLEI	required for upcoming week or use
	3	The second secon	straw mulch reduces soil water loss.
	100	500	If irrigation is not available keep grass
		17 ( ~	and dry leaves as mulch.
			Harvest all the mature which colour
		19 7	change to pale yellow to red.
			Seed must be keep from self pollinated
		Parit fin	variety.
		Fruit fly	or malathion 0.15 per cent suspension
		LAWNGTLAN	containing sugar or jeggery at 10 g/l at
		/ SAIHA	fortnightly intervals at flowering and fruit
			initiation.
Potato	Harvesting	1	If the leaves and plant became dry it
		N D (	means plant ready for harvesting.

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			1 Open the frame
	stage		4 Open the furrow with the help
			spade, harvest all mature tubers.  Discard all mother tubers from
			♣ Discard all mother tubers from harvested potato tubers.
	1. 1	8	<u> </u>
	1 1	5	♣ Keep 7 -10 days for drying or reduce
		KOLASIB	the moisture level in shed dry.
ANIMAL HUSBEN	IDADV		★ Keep 25% seed for next season sowing
		WY 3	♣ Animals must keep in dry place of
Pig	All stages	1 1	kept in alleviated area and dry beddir
	3	Comment of the second	(straw) to be provided to your
	1		animals.
	:		↓ 1 <sup>st</sup> injection at 6 months of age an
	MAMIT		2nd injection at 12 months of ag
	Z. 10000000	A common of	followed by annual vaccination under
	1	Z ATZAWIL	vet supervision against FMD.
	- 1	1	Reduce concentrate diet up to 5%.
	(	(	<ul> <li>Provide adequate potable water.</li> </ul>
	1	2 1	In present weather condition
	1	1 3 4	vaccinate against swine fever (Vaccine
	1		available in State Veterinary Departs)
		Porcine	
		Reproductive	
	9	Respiratory	3 3
		Syndrome (PRRS).	ah 1
Cattle	All age group		♣ In present weather conditions, speci
			care should be taken against attack
		LUNGLEI	maggots in the wounds of animal
	3		Application of turpentine oil in the
		55	wounds followed by application
	. 7	11	antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
		1 75 19	feed
			Provide 10-30 ml of vitamin B-Comple
		30	in feed
			1st injection at 6-8 weeks of age, 2n
		LAWNGTLAL	injection after 6 months of 1st injection
		# SAIHA	followed by annual vaccination unde
		1	vet supervision.
			<ul><li>Separate sick animals.</li><li>The animal should be washed with</li></ul>
		2 5	The animal should be washed wh
		VIV.	7   P a g e

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	5		lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
FISHERY	All age group	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 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.</li> <li>♣ Remove wet litter.</li> </ul>
FIGHERI	Monitoring of fish in pond	LUNGLEI	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.</li> </ul>

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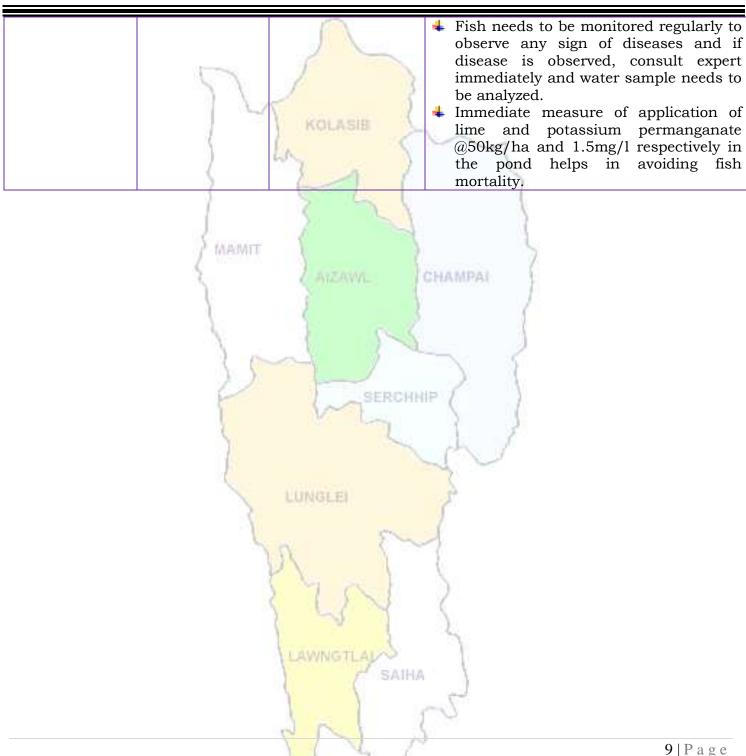


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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District: Serchhip** Period: 24 February - 28 February, 2018

Bulletin No: - 773/2018/ Bulletin/Mizo

	0.00	P.	3.0		
Parameters	24.02.2018	25.02.2018	26.02.2018	27.02.2018	28.02.2018
Rainfall (mm)	0	0	0	4	0
Max Temp (°C)	29	30	30	31	31
Min Temp (°C)	11	11	12	12	13
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	88	87	79	76	84
Min RH (%)	21	21	20	29	29
Wind Speed (KmpH)	3	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm) Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):24-25°C

Minimum Tem. (°C):15°C Maximum RH (%):77-85% Minimum RH (%):41-56%

Wind Direction: Southeasterly

Cloud cover: Clear sky Wind speed: 2-3 km/hr

Rainfall: 00.0 mm

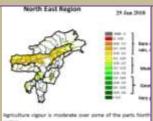
24th February - 28th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 23rd February, 2018

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 11-13°C ni tura beisei a ni. RH san lai berin 76-88% leh a hniam lai berin 20-29% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 04.0mm

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

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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.
	la la	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	U. C	♣ Hmaih neih nuaih loh tur ani.
	)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	3		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3.	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	7	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
		SERCHH	
		1	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CECE	THE PROPERTY OF THE PARTY OF TH	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Co.	1 17. in in 1 in
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	<u> </u>		a pui dawn a ni.
		3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Laurence as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VIV	3   P a g e

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4 | Page

	7		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR		11-7	<b>+</b> 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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

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

5 | Page

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

	- 5	+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	ventive easures	rd week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani.  B complex with antibodies
	3	weeks	<b>Coccidiosis-</b> Amprolium or coccidiostat
	(		Calcium tonic fortified with B <sub>12</sub>
FISHERY	100	CHI CH	AMPAI )
Monit (Sang enkar	4	EI	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
			27

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8 | Page

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