

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: 14 February - 18 February, 2018

Date of issue: 13th February, 2018 Bulletin No: - 770/2018/ Bulletin/English

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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) Champhai- 0.00mm Saiha- 0.00 mm Aizawl- 0.00mm Kolasib- 0.00mm

(09.28mm)(10.31mm)(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

Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018. There are no chances of rainfall during the next 5 days.

Maximum Tem. (°C):22-26°C Minimum Tem. (°C):12-14°C Maximum RH (%):70-98% Minimum RH (%):34-45% Wind Direction: Southeasterly

The maximum and minimum temperatures for the next 5 days may range for 27°C and 10-11°C. Maximum relative humidity is expected in the range of 73-78% and minimum may from 16-32%. Wind direction would be southeasterly to easterly with the wind speed of 3 km per hour. Clear sky

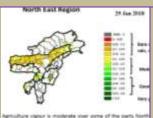
Cloud cover: Clear sky Wind speed: 1-2 km/hr

will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of 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	dementine 1	bud break. For late varieties where two		
	1)	crops may hang on the tree at once		
	1	6.7	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		
	20/11	and Dieback	disease.		
PLANTATION CR					
COFFEE	Blooming		♣ If day temperature and prolong dry		
	stage	7 661	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		
		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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	7	KOLASIB	grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL.	 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. Farmers can go for tapping upto last week of January. Make fire line around the field to save 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 manure.
Strawberry	Fruit formation to harvesting stage	LUNGLEL	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit Periodical harvest must be done once in a week
CEREALS AND I	PULSE CROPS		
Rabi Maize	Harvesting stage	LAWNGTLANSAIHA	 Possibility of rain will be very less. Harvest all the mature cobs. Keep harvested cobs in sundry for 8 to 10 days to keep the moisture level below 10%. 25% seed will keep as seed for next year. Parrot attacking trap should be made around field to escape crop from 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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and	stage		♣ Collection and destruction of damage
blackgram			plant or plant part and spraying of any
			systemic insecticide @ 2ml/lit should be done.
	1. 1	8	
			Apply 2% urea solution to avoid stress condition.
		KOLASIB	Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	LA Zoro chiago	provide water every alternate day.
cultivation in	stage		♣ Collection and destruction of damage
Jhum	stage	Same	plant or plant part and spraying of any
Ontant	-	5	systemic insecticide @ 2ml/lit should
	2		be done.
	J' 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	3 26	provide water every alternate day.
	stage		Apply split dose of fertilizer for better
			growth. Growth. Growth. Growth. Growth.
	1)		hootles and approxing of Noom oil
		SERCHN	@3ml/lit should be done.
	l l		♣ Apply split dose of fertilizer for better
	1		growth.
	4		Provide irrigation once in a week.
VEGETABLE CRO)P		
Ginger and	Harvesting	LUNGLEI	♣ Turmeric and ginger is harvested when
turmeric	stage		leaves start yellowing and ultimately
		500	the stem dries down.
		111	The plants are-cut close to the ground.
			The crop is irrigated lightly for easy
		100	digging. Harvesting consists of digging of
		1 6 3	underground clumps of rhizomes
		1	with pick axe or digging fork.
		Linner	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
		Co Co	

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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	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
		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 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.
			♣ Remaining quantity of nitrogen is
		LUNGLEI	applied 30-40 days after sowing.
	3	the sale and the s	Low temperature and high humidity
	5.7	000	influence the activity of stem rot. Apply
		17 (~~	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. Remaining quantity of nitrogen is
		Variable and the second	applied 30-40 days after transplanting.
		LAWNGTLAN	Drovido imigation if reaton is require
		# SAIHA	Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	A sa to	♣ According to forecast and past weather
		(a) (b)	V

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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	/	straw mulch reduces soil water loss.
	1 /	3	♣ Interculture operation should be done
	1	V courses	near to the base of the plant.
	1	KOLASIB	4 Apply split dose of nitrogenous
	1	En S	fertilizer to the plant.
	/	7 4 7	♣ Fruit and shoot borer attack will mare
	7		in dry weather. Apply any systematic
	1	2	insecticide for better cure.
	1		Harvest all mature fruit.
	Same		Seed must be keep for next rabi
01.111	/ MAMIT		season.
Chilli	Vegetative to	LAIZAWL /	According to forecast and past weather
	flowering		record, there is no probability of rainfall. So weekly twice irrigation is
	stage	3	required for upcoming week or use
	40	3 6 6	straw mulch reduces soil water loss.
			Interculture operation should be done
	16		near to the base of the plant.
	7)		Apply split does of nitrogramsus
		SERCHN	fertilizer to the plant.
	-	V Lang	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
	stage	LUNGLEI	required for upcoming week or use
	3	CONTRACTOR!	straw mulch reduces soil water loss.
		000	If irrigation is not available keep grass
		17 12	and dry leaves as mulch.
			Harvest all the mature which colour
	((19 20)	change to pale yellow to red.
			Seed must be keep from self pollinated
		T3 14 .00	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
		1	initiation.
Potato	Harvesting	V	If the leaves and plant became dry it
		200	means plant ready for harvesting.

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	a4c		Onen the frame
	stage		4 Open the furrow with the help of
			spade, harvest all mature tubers. Discard all mother tubers from
	1. 1	1	harvested potato tubers.
	1 1	5	♣ Keep 7 -10 days for drying or reduce
		KOLASIB	the moisture level in shed dry.
ANIMAL HUSBEI	NDADV	A STATE OF THE STA	★ Keep 25% seed for next season sowing.
Pig		WY 3	♣ Animals must keep in dry place or
rig	All stages	2 1	kept in alleviated area and dry bedding
	3	Control of the second	(straw) to be provided to young
	1		animals.
			↓ 1 st injection at 6 months of age and
	MAMIT		2nd injection at 12 months of age
	(100000	followed by annual vaccination under
	1	(AIZAWL)	vet supervision against FMD.
	1	1	Reduce concentrate diet up to 5%.
	1	(Provide adequate potable water.
	1	122	♣ In present weather conditions
) 0		vaccinate against swine fever (Vaccines
	130 18		available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	(Respiratory	1 3
		Syndrome (PRRS).	the desired and the second
Cattle	All age group		In present weather conditions, special
		Millione	care should be taken against attack of
		LUNGLEI	maggots in the wounds of animals.
	1		Application of turpentine oil in the
		500	wounds followed by application of antibiotics for five days is advised.
		17	Provide UMB/Molases if possible in the
	7	2	feed
		7 (6)	Provide 10-30 ml of vitamin B-Complex
	1	1 60 4	in feed
		1	♣ 1st injection at 6-8 weeks of age, 2nd
		Lamoran	injection after 6 months of 1st injection
		LAWNGTLAN	followed by applied wassingtion under
		# SAIHA	vet supervision.
			Separate sick animals.
		A S A	The animal should be washed with
		to A	
		1 4	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	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERY	J.		7
	Monitoring of fish in pond	LUNGLEI	 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. 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.

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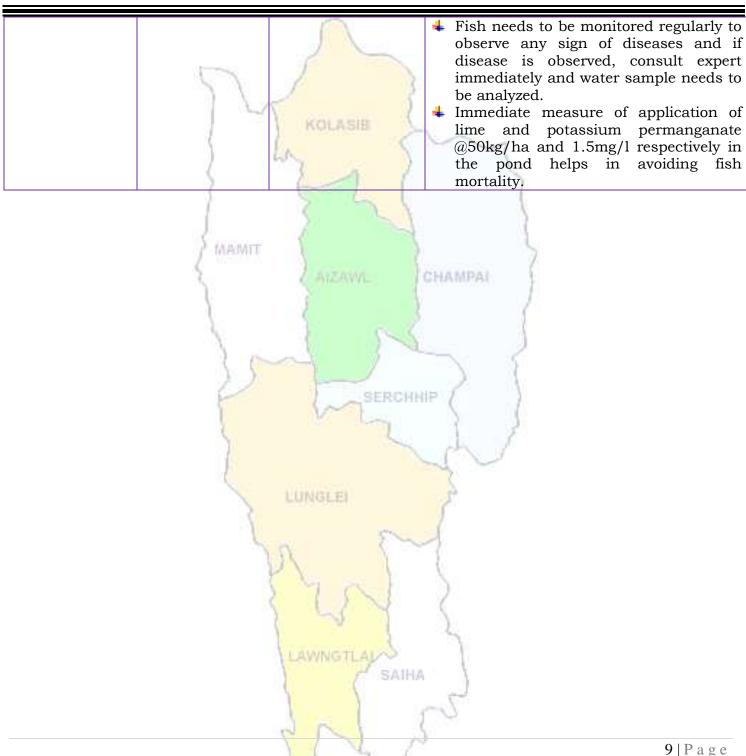


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SAIHA

LAWNGTLAL

CHAMPAI

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Bulletin No: - 770/2018/ Bulletin/Mizo

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Max RH (%)	77	78	73	74	73
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Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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

14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 13th February, 2018

Maximum Tem. (°C):22-26°C Minimum Tem. (°C):12-14°C Maximum RH (%):70-98% Minimum RH (%):34-45% Wind Direction: Southeasterly

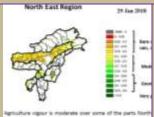
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11ºC ni tura beisei a ni. RH san lai berin 73-78% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
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.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CECE	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	n to	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	Į.		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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



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

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

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

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

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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Aizawl Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

	2. J.	P	3.0		
Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly clear	Mainly clear	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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 (09.40mm)

(10.31mm)

(09.28mm)

(08.44mm)Mamit-0.00mm

Serchhip-0.00mm

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

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):22-26°C Minimum Tem. (°C):12-14°C Maximum RH (%):70-98%

Minimum RH (%):34-45% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

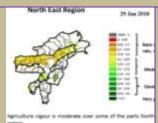
14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 13th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11ºC ni tura beisei a ni. RH san lai berin 73-78% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		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 CECE	THE CONTRACTOR OF THE CONTRACT	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 7	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavent and	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		N N	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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

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

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			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.
	eventive neasures	0-3 rd week	.±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	}	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	I MAGMIT	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWL	CHA	IMPAI }
(Sar	nitoring ngha awl)	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.
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

	1.0	P	5		
Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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 (09.40mm)

(08.44mm)

(10.31mm)
Lawngtlai-0.00mm Lun

(09.28mm) Lunglei-0.00mm (09.60mm)

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

Date of issue: 13th February, 2018

(10.88mm)

Weather summary of the past

three days

14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

(08.86mm)

Maximum Tem. (°C):23-27°C Minimum Tem. (°C):11-14°C Maximum RH (%):75-84% Minimum RH (%):41-64% Wind Direction: Southeasterly

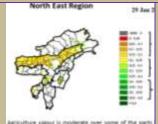
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 73-78% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



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

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

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Contract	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	w)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	f.	5 2	→ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage	1	♣ Muangchang loving alu chin na tur
1 0 0 0 0 0	Downing Stage	(AIZAWL)	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	1	lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	- 1		taka thlawh hmasak tur ani.
	1.0	~ 7	♣ A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		(~)	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		tar por amr tar am
Tomato	Bacterial Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	1		ani.
	5	n Em	Tomato hi a uai a, a thih mai loh nan
			Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah
	1	190	tur ani .
Early Cole	Black spot	1 63 4	👃 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAN	♣ Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
		Production of the second	

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

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

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			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 WOOM	1	1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	(AP)		a puitlingh chuan R ₂ B vaccine pek tur
	5			ani.
	7	Similar	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. MAGMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	/ AIZAVAL	CH/	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	Sangha	3	_	chauh pek thin tur ani. Sangha chaw a
		3 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
	-	V Long		thin, aflatoxin avang a sangha thi lak
	1			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
	3		T	phoro, chinai phul, leitha hman leh tul
	1	100		dang in dil buatsaih tur ani.
	1	77	+	Sangha te natna lak atangin an him em
			0	tih enfiah fo a tha a, natna hmuh anih
		(6 36)		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			1	A ranglam a chinai @50kg/ha leh
		-9		tuisen @1.5mg/l diltui a hman hian
			12.0	sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH/	1	autonia a rong unon
			1	2
		n 1	ζ	

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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

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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: 14 February - 18 February, 2018

Date of issue: 13th February, 2018 Bulletin No: - 770/2018/ Bulletin/English

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	13	13	13	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Clear sky	Mainly clear
Max RH (%)	75	73	72	70	73
Min RH (%)	31	34	20	19	19
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-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 (09.28mm)(10.31mm)

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

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

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

(08.44mm)

Weather summary of the past three days

Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018.

Maximum Tem. (°C):24-26°C Minimum Tem. (°C):14-16°C Maximum RH (%):78-86% Minimum RH (%):48-62%

Wind Direction: Southeasterly

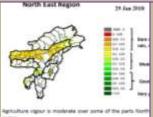
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27°C and 13-14°C. Maximum relative humidity is expected in the range of 70-75% and minimum may from 19-34%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	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.		
		~ 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).		
		Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux		
		citrus greening	past in tree trunk, twigs and branches		
	3	and Dieback	protect healthy plant from soil borne		
	27/41	una Diobach	disease.		
PLANTATION CR					
COFFEE	Blooming		♣ If day temperature and prolong dry		
	stage	137 6	spell occur it lead to Floral		
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		
		1	♣ Irrigation of plants at alternate day's		
		Laurence	interval, 6 weeks before harvesting		
		LAWNGTLAL	in an		
		(SAINA	development, and reduces fruit		
			cracking and improves the fruit quality.		
			♣ Mulching should be done with dry		
210000					
2 P a g e					

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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.
	1	7	♣ Foliar application of Mepiquat chloride
		KOLASIB	@ 1000 PPM concentration or 0.75%
	4	F	SSP @ 1.5 g per 200 lt of water 15 days
	1	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	1	for upcoming week or use straw mulch
	/ MAMIT	3	reduces soil water loss.
	5	Z AIZAWL I	Farmers can go for tapping upto last
	1	3	week of January.
))	♣ Make fire line around the field to save
	1	3 6 /	from fire.
	- /		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1 6		between 4 plants. Store dried leaves in
)		the pit and after 4 months it can use as
	_	SERCHH	manure.
Strawberry	Fruit	V~\	Possibility of rain will be very less. So
	formation to		provide water every alternate day.
	harvesting		Harvest all mature fruits or partially matured fruit
	stage		■ Periodical harvest must be done once in
		MEMBERS	a week
CEREALS AND I	PULSE CROPS	LUNGLEI	a week
Rabi Maize	Harvesting	VIII.	♣ Possibility of rain will be very less.
	stage	7	♣ Harvest all the mature cobs.
	2-28-		♣ Keep harvested cobs in sundry for 8 to
			10 days to keep the moisture level
			below 10%.
	1) 55 7	♣ 25% seed will keep as seed for next
			year.
		LAWNGTLAL	♣ Parrot attacking trap should be made
		SAIHA	around field to escape crop from
		SAINA	damage.
Zero tillage	Pod	Zero tillage	♣ Possibility of rain will be very less. So
Greengram	formation	1 2 1	provide water every alternate day.
		F 1	210
		4	3 P a g e

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and	stage		♣ Collection and destruction of damage
blackgram			plant or plant part and spraying of any
		1	systemic insecticide @ 2ml/lit should
	1 1	P 3	be done.
	1 1	5	♣ Apply 2% urea solution to avoid stress
		KOLASIB	condition.
	- 1	The second secon	Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	3 1	provide water every alternate day.
cultivation in	stage		♣ Collection and destruction of damage
Jhum	1	2	plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
	, J	7/	be done.
	MAMIT		♣ Apply 2% urea solution to avoid stress
	7	1	condition.
	1	(ATZAWIL)	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
	buge		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.
	118		♣ Provide irrigation once in a week.
VEGETABLE CRO		Williams	Transports 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.
	6	- En	The plants are-cut close to the ground.
		11	■ The crop is irrigated lightly for easy
		P \(\tau \)	digging.
			Harvesting consists of digging of
		1 50 4	underground clumps of rhizomes
		1	with pick axe or digging fork.
		LAWNGTLAL	Fingers are separated from mother
		SAIHA	rhizomes.
		(SAINA	♣ Wash clumps of rhizomes with water
			and keep it for sundry.
			♣ Seed stock will be store from partially
		Co Co	

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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
СТОР	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
		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 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.
			♣ 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.
		The same of the sa	Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting. Provide irrigation if water is require.
		# SAIHA	4 Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1 9	♣ According to forecast and past weather
21111141	i raiding to	0	

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	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		5	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.
	1		♣ Harvest all mature fruit.
			♣ Seed must be keep for next rabi
	MAMIT		season.
Chilli	Vegetative to	AIZAVAL	According to forecast and past weather
	flowering	Canenare 1	record, there is no probability of
	stage)	rainfall. So weekly twice irrigation is
	1	100	required for upcoming week or use
	1		straw mulch reduces soil water loss.
	1		Interculture operation should be done
	1)		near to the base of the plant. Apply split dose of nitrogenous
		SERCHN	Apply split dose of nitrogenous fertilizer to the plant.
	1	V	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
	songe	LUNGLEI	required for upcoming week or use
	3	TOTAL STREET	straw mulch reduces soil water loss.
	- /	22	If irrigation is not available keep grass
	. 7	17 (~~	and dry leaves as mulch.
			Harvest all the mature which colour
		135 6	change to pale yellow to red. Seed must be keep from self pollinated
		1 5 3	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		Accessed to the control of the contr	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	V/N/	6 Page

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

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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	AZAWA	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERY	J		7
	Monitoring of fish in pond	LAWNGTLALSAIHA	 ↓ 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. ↓ Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. ↓ 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.

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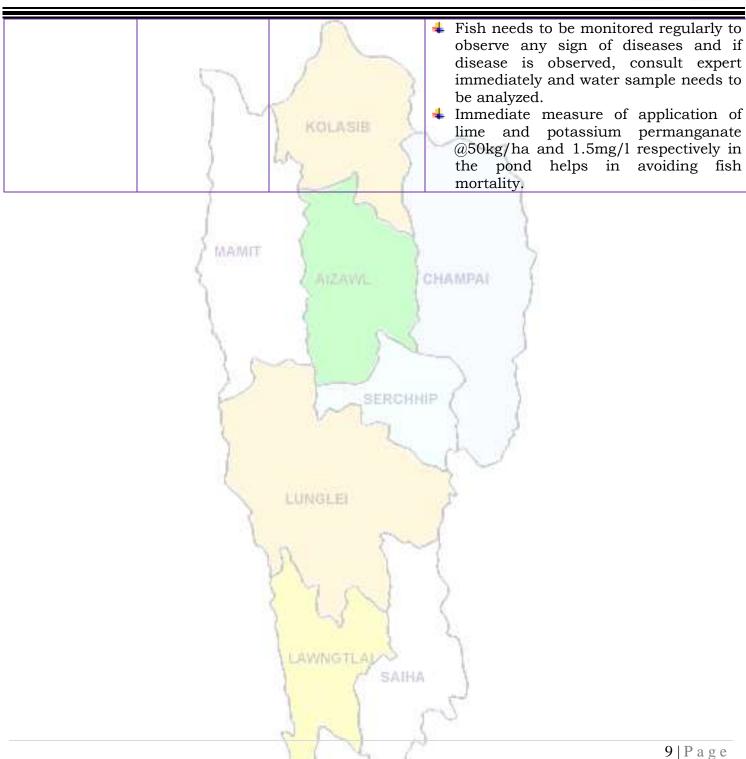


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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Kolasib Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

	0.00	P	3.0		
Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	13	13	13	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Clear sky	Mainly clear
Max RH (%)	75	73	72	70	73
Min RH (%)	31	34	20	19	19
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-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 Champl

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):24-26°C Minimum Tem. (°C):14-16°C Maximum RH (%):78-86%

Minimum RH (%):48-62%

Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

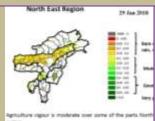
14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 13th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 70-75% leh a hniam lai berin 19-34% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
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.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND I	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	n to	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	Į.		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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

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

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

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

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/English Date of issue: 13th February, 2018

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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.

(10.31mm) (09.28mm) (08.44mm)

(09.40mm)

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

Mamit-0.00mm (08.86mm)

Serchhip-0.00mm (08.44mm)

Weather summary of the past three days Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018.

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):14-17°C Maximum RH (%):70-98% Minimum RH (%):41-58% Wind Direction: Southeasterly

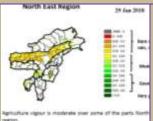
Wind Direction: Southeas Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27°C and 10-11°C. Maximum relative humidity is expected in the range of 73-78% and minimum may from 16-32%. Wind direction would be southeasterly to easterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases	·		
FRUITS CROPS					
KHASI	Flushing	<" 5	♣ 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)	LA.	for upcoming week or use straw mulch		
COMAD 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	\$	10.7000	harvest in winter to early spring before		
	1	(AIZAWIL)	bud break. For late varieties where two		
	1	5	crops may hang on the tree at once		
	1	6 8 7	some of the new crop may be lost.		
	1		♣ Use Bordeaux paste or insecticide paste		
	2 6		mixture to reduce the damage of white		
))		ant upto 4 feet height.		
	-	SERCHI	Apply Bordeaux mixture to the plant after		
	1	V~ 1	pruning.		
	1		♣ Application of split dose of fertilizer 600:		
		11/2	200:100 (g/pt).		
		Gummosis,	→ Due to low temperature and humidity		
	1	citrus canker,	disease appearance will more. Use Bordeaux		
	7	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne		
	2/	and Dieback	disease.		
PLANTATION CR	OP				
COFFEE	Blooming	3	♣ If day temperature and prolong dry		
	stage	(9 20)	spell occur it lead to Floral		
	_		abnormalities like "Star Flower" in		
		-3	Arabica and "Pink Flower" in Robusta.		
		The same of the sa	♣ Irrigation of plants at alternate day's		
		LAWNGTLAL	interval, 6 weeks before harvesting		
		SAIHA	improves fruit retention and fruit development, and reduces fruit		
			development, and reduces fruit cracking and improves the fruit quality.		
		1 = 1	# Mulching should be done with dry		
2 P a g e					

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				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
		KOLASIB	<i>a</i>	@ 1000 PPM concentration or 0.75%
	(f. S	5	SSP @ 1.5 g per 200 lt of water 15 days
	1	100		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.
	(1	2 4	Farmers can go for tapping upto last
	1	(AIZAWIL)	i.	week of January.
	1	5	4	Make fire line around the field to save
	4.5	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	V Lag		provide water every alternate day.
	harvesting	1	4	Harvest all mature fruits or partially
	stage		-	matured fruit
		AMERICAN STREET	+	Periodical harvest must be done once in
CEREALS AND I	PILLSE CROPS	LUNGLEL		a week
Rabi Maize	Harvesting	Life -	4	Possibility of rain will be very less.
	stage	n Em		Harvest all the mature cobs.
	Jongo		4	Keep harvested cobs in sundry for 8 to
	((by see)		10 days to keep the moisture level
				below 10%.
		-3	+	25% seed will keep as seed for next
		The same of the sa	4	year. Parrot attacking trap should be made
		LAWNGTLAND	-	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.
		100	17.1	

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and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic inserticide @ 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		♣ 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	♣ 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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			dry sample.
			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
		KOLASIB	required for upcoming week or use
	((. · · · · · · · · · · · · · · · · · ·	straw mulch reduces soil water loss.
)	wy)	Harvest all mature cards.
	5	2	♣ Don't spray any kind of pesticide to the
	5		crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
0	formation	7	due to non availability of rain.
	stage		♣ Intercultural operations should be
	Stugo	1	done regularly to keep the crop free
	1	(AIZAWL	from weeds and better growth of bulb.
	1	5	♣ Remaining quantity of nitrogen is
	Δ.	S	applied 30-40 days after transplanting.
	1.0	1 185	Provide irrigation if water is require.
	0 6		Low temperature and high humidity
	1		influence the population of onion trips.
		SERCHN	Apply any systemic insecticide 1.5
		1	ml/lt of water.
French bean	Flowering to		♣ Possibility of rain will be less coming
	fruiting stage	7	five days. So alternate irrigation should
	()()		be done 5 days interval.
	116	Managery	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 Hexaconazole 1.5 ml/lt of water for
		17	better growth and development
Capsicum	Vegetative	Poly house	♣ Intercultural operations should be done
Capsicum	stage	Tory mouse	regularly to keep the crop free from
	stage	1 50 4	weeds and aeration of the root system.
		1	Remaining quantity of nitrogen is
		LAWNGTLAL	applied 30-40 days after transplanting.
		the state of the s	Drovido irrigation if water is require
		# SAIHA	♣ Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1 2 1	♣ According to forecast and past weather
	<u> </u>	6	V.

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	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	-	5	required for upcoming week or use
	1 1	1	straw mulch reduces soil water loss.
	1 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.
)	GA.	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
	J MAMIT		season.
Chilli	Vegetative to	AIZAWA_)	According to forecast and past weather
	flowering	dementale:	record, there is no probability of
	stage)	rainfall. So weekly twice irrigation is
	46	1 6 6	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.
	1)		Apply split dose of nitrogenous
		SERCHN	fertilizer to the plant.
	-	V Lag	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		straw mulch reduces soil water loss.
		5%	If irrigation is not available keep grass
		11	and dry leaves as mulch. Harvest all the mature which colour
	1		change to pale yellow to red.
		100	Seed must be keep from self pollinated
	1	1 50 4	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAL	or malathion 0.15 per cent suspension
		SAIHA	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
			initiation.
Potato	Harvesting		If the leaves and plant became dry it
		200	means plant ready for harvesting.
		112	6 P a g e

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

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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	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERI	Monitoring of fish in pond	LUNGLEI	 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. 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.

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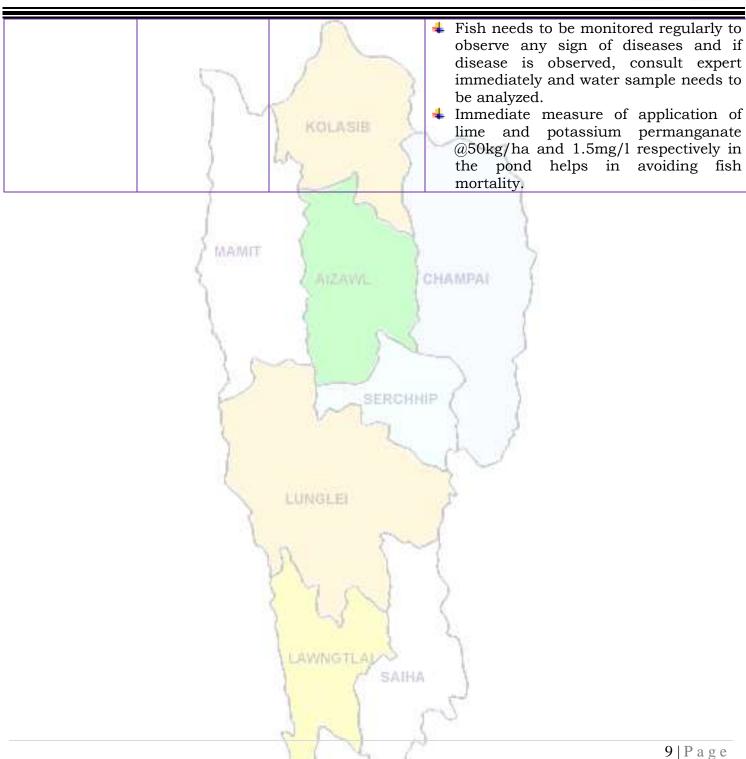


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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

Date of issue: 13th February, 2018

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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 (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):14-17°C Maximum RH (%):70-98% Minimum RH (%):41-58% Wind Direction: Southeasterly

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

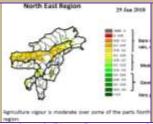
Rainfall: 00.0 mm

14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11ºC ni tura beisei a ni. RH san lai berin 73-78% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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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	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	74	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND PEACH	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	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		LUNGER	
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ 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-
CERRALO AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Weigning things then the let less let
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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			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
	1/	W)		a puitlingh chuan R2B vaccine pek tur
)			ani.
)	5 6	4	B complex with antibodies
	1	4 th weeks	4	Coccidiosis- Amprolium or
	R			coccidiostat
	J. MANNII	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	A AIZAVAL	CH	AMPAI :
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	0 0		-	a phoro phawt tur ani.
	100		+	Sangha chaw hi a hmuar lohna turin
		SERCH	HE I	hmun ro leh uap lutuk lo ah dahthat
		- SERONI		tur ani a, hmuar atang a tur lo inseam
	V			thin, aflatoxin avang a sangha thi lak
		1		atangin sangha a him phah thin.
			-	Dil sah kang veka sangha man thin
	7.	0.000		hian a kumleh a sangha khawinan a dil
		LUNGLEI	(9)	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.
		5	1	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
			1	chuan mithiam te rawn vat a, diltui
	1	100	8	enfiah vat tur ani.
		1 13 3	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		A comment of the		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	4	
				7
		1 2	1	9
		EN 150	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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LAWNGTLAL

CHAMPAI

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 14 February - 18 February, 2018

Date of issue: 13th February, 2018 Bulletin No: - 770/2018/ Bulletin/English

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	13	13	13	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Clear sky	Mainly clear
Max RH (%)	75	73	72	70	73
Min RH (%)	31	34	20	19	19
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-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 (09.28mm)(10.31mm)

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

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

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

Weather summary of the past three days

Maximum Tem. (°C):22-25°C Minimum Tem. (°C):12-16°C Maximum RH (%):70-98% Minimum RH (%):42-59% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27°C and 13-14°C. Maximum relative humidity is expected in the range of 70-75% and minimum may from 19-34%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of 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)	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).			
		Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
	3	and Dieback	protect healthy plant from soil borne			
	20/41	una Diobach	disease.			
PLANTATION CROP						
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			
	21029					
2 P a g e						

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			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.
	1	7	♣ Foliar application of Mepiquat chloride
		KOLASIB	@ 1000 PPM concentration or 0.75%
	4	F	SSP @ 1.5 g per 200 lt of water 15 days
	1	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	1	for upcoming week or use straw mulch
	/ MAMIT	3	reduces soil water loss.
	5	Z AIZAWL I	Farmers can go for tapping upto last
	1	3	week of January.
))	♣ Make fire line around the field to save
	1	3 6 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
)		the pit and after 4 months it can use as
	_	SERCHH	manure.
Strawberry	Fruit	V~\	Possibility of rain will be very less. So
	formation to		provide water every alternate day.
	harvesting		Harvest all mature fruits or partially matured fruit
	stage		■ Periodical harvest must be done once in
		MEMBERS	a week
CEREALS AND I	PULSE CROPS	LUNGLEL	a week
Rabi Maize	Harvesting	VIII.	♣ Possibility of rain will be very less.
	stage	7	♣ Harvest all the mature cobs.
	2-28-		♣ Keep harvested cobs in sundry for 8 to
			10 days to keep the moisture level
			below 10%.
	1) 55 7	♣ 25% seed will keep as seed for next
			year.
		LAWNGTLAL	♣ Parrot attacking trap should be made
		SAIHA	around field to escape crop from
		SAINA	damage.
Zero tillage	Pod	Zero tillage	♣ Possibility of rain will be very less. So
Greengram	formation	1 2 1	provide water every alternate day.
		F 1	210
		4	3 P a g e

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and	stage		♣ Collection and destruction of damage
blackgram			plant or plant part and spraying of any
		1	systemic insecticide @ 2ml/lit should
	1 1	P 3	be done.
	1 1	5	♣ Apply 2% urea solution to avoid stress
		KOLASIB	condition.
	- 1	The second secon	Provide irrigation once in a week.
Zero tillage	Pod	Zero tillage	Possibility of rain will be very less. So
Soybean	formation	3 1	provide water every alternate day.
cultivation in	stage		♣ Collection and destruction of damage
Jhum	1	2	plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
	, J	7/	be done.
	MAMIT		♣ Apply 2% urea solution to avoid stress
	7	1	condition.
	1	(ATZAWIL)	Provide irrigation once in a week.
Zero tillage	Siliqua	Zero tillage	♣ Possibility of rain will be very less. So
Toria	formation	7000 00000	provide water every alternate day.
	stage	1 1	♣ Apply split dose of fertilizer for better
	buge		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.
	118		♣ Provide irrigation once in a week.
VEGETABLE CRO		Williams	Transports 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.
	1	- En	The plants are-cut close to the ground.
		11	■ The crop is irrigated lightly for easy
		P \(\tau \)	digging.
			Harvesting consists of digging of
		1 50 4	underground clumps of rhizomes
		1	with pick axe or digging fork.
		LAWNGTLAL	Fingers are separated from mother
		SAIHA	rhizomes.
		(SAINA	♣ Wash clumps of rhizomes with water
			and keep it for sundry.
			♣ Seed stock will be store from partially
		Co Co	

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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
СТОР	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
		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 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.
			♣ 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.
		The same of the sa	Remaining quantity of nitrogen is
		LAWNGTLAN	applied 30-40 days after transplanting. Provide irrigation if water is require.
		# SAIHA	4 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	

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	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		5	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.
	1		♣ Harvest all mature fruit.
			♣ Seed must be keep for next rabi
	MAMIT		season.
Chilli	Vegetative to	AIZAVAL	According to forecast and past weather
	flowering	Canenare 1	record, there is no probability of
	stage)	rainfall. So weekly twice irrigation is
	1	100	required for upcoming week or use
	1		straw mulch reduces soil water loss.
	1		Interculture operation should be done
	1)		near to the base of the plant. Apply split dose of nitrogenous
		SERCHN	Apply split dose of nitrogenous fertilizer to the plant.
	1	V	 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
	songe	LUNGLEI	required for upcoming week or use
	3	TOTAL STREET	straw mulch reduces soil water loss.
	- 1	22	If irrigation is not available keep grass
	. 7	17 (~~	and dry leaves as mulch.
			Harvest all the mature which colour
		135 6	change to pale yellow to red. Seed must be keep from self pollinated
		1 5 3	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		Accessed to the control of the contr	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	V/N/	6 Page

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

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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	AZAWA	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERY	J		7
	Monitoring of fish in pond	LAWNGTLALSAIHA	 ↓ 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. ↓ Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. ↓ 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.

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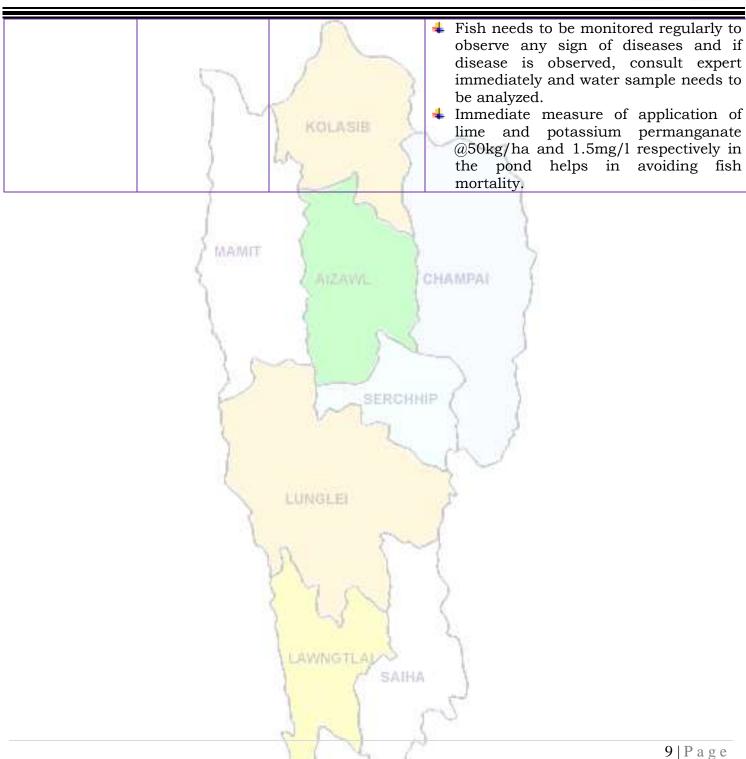


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GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 14 February - 18 February, 2018

15.02.2018

Bulletin No: - 770/2018/ Bulletin/Mizo

14.02.2018

}		
16.02.2018	17.02.2018	18.02.2018
0	0	0
27	27	27
13	14	14

Date of issue: 13th February, 2018

Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	13	13	13	14	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Clear sky	Mainly clear
Max RH (%)	75	73	72	70	73
Min RH (%)	31	34	20	19	19
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-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)

(08.7mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm) Lunglei-07.4mm

Mamit-24.3mm (09.6mm) Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):22-25°C Minimum Tem. (°C):12-16°C Maximum RH (%):70-98% Minimum RH (%):42-59%

Wind Direction: Southeasterly

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

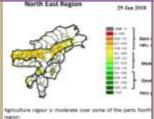
Rainfall: 00.0 mm

14th February - 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 13-140C ni tura beisei a ni. RH san lai berin 70-75% leh a hniam lai berin 19-34% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of 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	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND PEACH	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACIT	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	LAWNGTLALSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(l	
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	3		♣ Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
	J.		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000		Hmun dam lutukah dah loh tur.
	3.	Z AIZAVIL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
			robusta cherry 11.0 %.
	\ \	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	77		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	500	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A CHIII Hull	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	()	(4 7)	a pui dawn a ni.
			♣ A chi chu kan lei leh saah chuan kan
) -3]	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SMITH	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A S I	4 A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
	ı	1/1/	3 P a g e

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	7		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			### 1911 1 911 1:
Tomato	Bacterial Blight disease	LUNGLEI	 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
57	1	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni
measures	/ ₄	1-6 ah F1 vaccine pek tur ani a, chuan
1110434103	(A)	a puitlingh chuan R ₂ B vaccine pek tur
5		ani.
(5)	5	♣ B complex with antibodies
1	4th weeks	4 Coccidiosis- Amprolium or
		coccidiostat
) MANUT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
EIGHEDV	T-0 WCCRS	+ Calcium torric fortified with B ₁₂
FISHERY	Conemic 1	GENEROUSE)
Monitoring)	Sangha te hi chaw a hmuar kai lo
(Sangha		chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa
) 6		a phoro phawt tur ani.
1		♣ Sangha chaw hi a hmuar lohna turin
	SERCH	hmun ro leh uap lutuk lo ah dahthat
		tur ani a, ninuar atang a tur io inseam
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	100	thin, aflatoxin avang a sangha thi lak
		atangin sangha a him phah thin.
1		→ Dil sah kang veka sangha man thin
		hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
3	T. P. S.	phoro, chinai phul, leitha hman leh tul
	(mc	dang in dil buatsaih tur ani.
	101	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	(19 20)	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani.
	20 1	A ranglam a chinai @50kg/ha leh
		tuisen @1.5mg/l diltui a hman hian
	LAWNGTLAN	sangha natna avang a thi tur lak
	SAIH	atangin a veng thei.
		and I
	126	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 14 February - 18 February, 2018

Date of issue: 13th February, 2018 Bulletin No: - 770/2018/ Bulletin/English

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	28
Min Temp (°C)	10	12	12	12	13
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Clear sky	Mainly clear
Max RH (%)	75	75	75	77	74
Min RH (%)	28	32	20	16	18
Wind Speed (KmpH)	3	3	2	2	2
*Wind Direction	S-E	S-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 (09.28mm)

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

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

Mamit-0.00mm (08.86mm)

Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

(10.88mm)

Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018.

Maximum Tem. (°C):26-27°C Minimum Tem. (°C):15-17°C Maximum RH (%):70-98% Minimum RH (%):46-58%

Wind Direction: Southeasterly

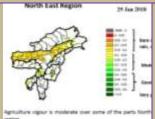
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 10-13°C. Maximum relative humidity is expected in the range of 74-77% and minimum may from 16-32%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of 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	
PLUM AND	2		positioned branches but minimise the loss of healthy foliage.	
PEACH	MAMIT		The best time to prune is soon after	
PEACH	5	AIZAWL	harvest in winter to early spring before	
	1	Contenue:	bud break. For late varieties where two	
	1	5	crops may hang on the tree at once	
	1	6 8 7	some of the new crop may be lost.	
	1			
	1 6		mixture to reduce the damage of white	
	1)		ant upto 4 feet height.	
		SERCHI	Apply Bordeaux mixture to the plant after	
	1	V~ 1	pruning.	
	1		♣ Application of split dose of fertilizer 600:	
		1100	200:100 (g/pt).	
	1	Gummosis,	Due to low temperature and humidity	
	1	citrus canker,	disease appearance will more. Use Bordeaux	
)	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne	
	14	and Dieback	disease.	
PLANTATION CR	OP			
COFFEE	Blooming		♣ If day temperature and prolong dry	
	stage	(6 20)	spell occur it lead to Floral	
			abnormalities like "Star Flower" in	
		30	Arabica and "Pink Flower" in Robusta.	
			♣ Irrigation of plants at alternate day's	
		LAWNGTLAL	interval, 6 weeks before harvesting	
		SAIHA	improves fruit retention and fruit	
			development, and reduces fruit	
			cracking and improves the fruit quality. Hulching should be done with dry	
		6 0	with dry	
2 P a g e				

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				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
	1	5	_	establishment.
		KOLASIB		Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
	(3	SSP @ 1.5 g per 200 lt of water 15 days
)	60°)		interval.
Rubber	Vegetative			According to forecast and past weather
	stage	7 5		record, there is no probability of
				rainfall. So weekly irrigation is required
	\$ MAMIT			for upcoming week or use straw mulch reduces soil water loss.
	2 11100000	1		Farmers can go for tapping upto last
	1	(AIZAWIL)		week of January.
	1	5		Make fire line around the field to save
	1	S		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
Strawberry	Fruit	SERCHH		manure. Possibility of rain will be very less. So
Scramborry	formation to			provide water every alternate day.
	harvesting	4		Harvest all mature fruits or partially
	stage	0.5		matured fruit
	3	Managera		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.
Rabi Maize	stage	m Em		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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and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic inserticide @ 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		♣ 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	♣ 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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			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))	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.
			♣ 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
		3	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	4 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	

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	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
)	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.
			Harvest all mature fruit.
	S conner		♣ Seed must be keep for next rabi
01.111	/ MAMIT	1	season.
Chilli	Vegetative to	Z ATZAWIL I	According to forecast and past weather 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.
		- 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	0.7	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		LUNGLEI	required for upcoming week or use
	3	in testing and	straw mulch reduces soil water loss.
	/	5%	If irrigation is not available keep grass
	.7	11	and dry leaves as mulch.
			Harvest all the mature which colour
		155	change to pale yellow to red. Seed must be keep from self pollinated
			(E) -
		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	
			initiation.
Potato	Harvesting	1 = 1	If the leaves and plant became dry it
		0	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	harvested potato tubers.
	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		WY 3	♣ Animals must keep in dry place or
Fig	All stages	1 1	kept in alleviated area and dry bedding
	3	Control of the 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	A CONTRACTOR OF THE PARTY OF TH	followed by annual vaccination under
	1	A AIZAWL	vet supervision against FMD.
	1	1	Reduce concentrate diet up to 5%.
		(♣ Provide adequate potable water.
	9	27	♣ In present weather conditions
	1	- 1 3 A	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 Charles	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 9 8	feed
	,		Provide 10-30 ml of vitamin B-Complex
		(3)	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 vet supervision.
			Separate sick animals.
			The animal should be washed with
	<u> </u>	9 1	The annual should be washed with
		112	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	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERY			7
	Monitoring of fish in pond	LAWNGTLALSAIHA	 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. 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.

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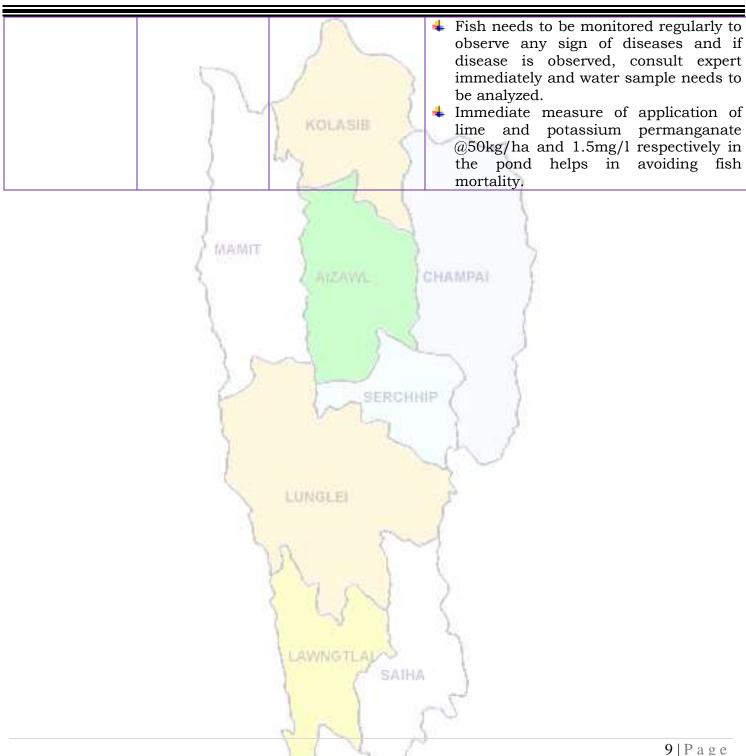


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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

	0.00	P	3.0		
Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	28
Min Temp (°C)	10	12	12	12	13
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Clear sky	Mainly clear
Max RH (%)	75	75	75	77	74
Min RH (%)	28	32	20	16	18
Wind Speed (KmpH)	3	3	2	2	2
*Wind Direction	S-E	S-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):26-27°C

Minimum Tem. (°C):15-17°C Maximum RH (%):70-98%

Minimum RH (%):46-58% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

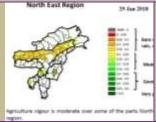
14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 13th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 74-77% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of 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	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND PEACH	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACIT	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	LAWNGTLALSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(l	
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	3		♣ Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
	, J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	7 1000000	1	Hmun dam lutukah dah loh tur.
	3.	Z AIZAVIL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
			robusta cherry 11.0 %.
	\ \	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	77		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	500	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A CHIII Hull	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	()	(4 7)	a pui dawn a ni.
			♣ A chi chu kan lei leh saah chuan kan
) -3]	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SMITH	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A S I	4 A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
	ı	1/1/	3 P a g e

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	7		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			### 1911 1 911 1:
Tomato	Bacterial Blight disease	LUNGLEI	 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
57	1	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni
measures	/ ₄	1-6 ah F1 vaccine pek tur ani a, chuan
1110434103	(A)	a puitlingh chuan R ₂ B vaccine pek tur
5		ani.
(5)	5	♣ B complex with antibodies
1	4th weeks	4 Coccidiosis- Amprolium or
		coccidiostat
) MANUT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
EIGHEDV	T-0 WCCRS	+ Calcium torric fortified with B ₁₂
FISHERY	Conemic 1	GENEROUSE)
Monitoring)	Sangha te hi chaw a hmuar kai lo
(Sangha		chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa
) 6		a phoro phawt tur ani.
1		♣ Sangha chaw hi a hmuar lohna turin
	SERCH	hmun ro leh uap lutuk lo ah dahthat
		tur ani a, ninuar atang a tur io inseam
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	100	thin, aflatoxin avang a sangha thi lak
		atangin sangha a him phah thin.
1	-	→ Dil sah kang veka sangha man thin
		hian a kumleh a sangha khawinan a dil
	LUNGLEI	buatsaih a ti awlsam a, dil mawng
3	T. P. S.	phoro, chinai phul, leitha hman leh tul
	(mc	dang in dil buatsaih tur ani.
	101	Sangha te natna lak atangin an him em
		tih enfiah fo a tha a, natna hmuh anih
	(19 20)	chuan mithiam te rawn vat a, diltui
		enfiah vat tur ani.
	20 1	A ranglam a chinai @50kg/ha leh
		tuisen @1.5mg/l diltui a hman hian
	LAWNGTLAN	sangha natna avang a thi tur lak
	SAIH	atangin a veng thei.
		and I
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/English Date of issue: 13th February, 2018

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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 (10.31mm) (09.28mm)

Saiha- 0.00 mm Ko (08.44mm)

Kolasib- 0.00mm (09.40mm)

(10.31mm) Lawngtlai-0.00mm

Lunglei-0.00mm

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)
Weather summary of the past

(09.60mm)

(08.86mm)

(08.44mm)

three days

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):13-15°C Maximum RH (%):72-85% Minimum RH (%):45-58% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27°C and 10-11°C. Maximum relative humidity is expected in the range of 73-78% and minimum may from 16-32%. Wind direction would be southeasterly to easterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of 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	Ţ.		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).		
		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		
		414 21004011	disease.		
PLANTATION CR					
COFFEE	Blooming		♣ 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		
		LIMMETTAL	interval, 6 weeks before harvesting		
		LAWNGTLAL	in an		
		(SAINA	development, and reduces fruit		
			cracking and improves the fruit quality.		
			♣ Mulching should be done with dry		
210000					
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				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
	1	5	_	establishment.
		KOLASIB		Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
	(3	SSP @ 1.5 g per 200 lt of water 15 days
)	60°)		interval.
Rubber	Vegetative			According to forecast and past weather
	stage	7 5		record, there is no probability of
				rainfall. So weekly irrigation is required
	\$ MAMIT			for upcoming week or use straw mulch reduces soil water loss.
	2 11100000	1		Farmers can go for tapping upto last
	1	(AIZAWIL)		week of January.
	1	5		Make fire line around the field to save
	1	S		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
Strawberry	Fruit	SERCHH		manure. Possibility of rain will be very less. So
Scramborry	formation to			provide water every alternate day.
	harvesting	4		Harvest all mature fruits or partially
	stage	0.5		matured fruit
	3	Managera		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.
Rabi Maize	stage	m Em		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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and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic inserticide @ 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		♣ 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	♣ 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 6	

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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. Poly house formation stage Poly house formation stage Poly house done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water. Possibility of rain will be less coming five days. So alternate irrigation should be done 5 days interval. Remaining quantity of nitrogen is applied 30-40 days after sowing. Low temperature and high humidity influence the activity of stem rot. Apply Hexaconazole 1.5 ml/lt of water for better growth and development Low temperature and high humidity influence the activity of stem rot. Apply Hexaconazole 1.5 ml/lt of water for better growth and development Lincultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.				dry sample. 4 Cut the rhizome to small pieces for
# 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. Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. # Possibility of rain will be less coming five days. So alternate irrigation should be done for so says interval. Remaining quantity of nitrogen is applied 30-40 days after sowing. # Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water. # Possibility of rain will be less coming five days. So alternate irrigation should be done 5 days interval. Remaining quantity of nitrogen is applied 30-40 days after sowing. # Low temperature and high humidity influence the activity of stem rot. Apply Hexaconazole 1.5 ml/lt of water for better growth and development # Provide irrigation if water is require. # Remaining quantity of nitrogen is applied 30-40 days after transplanting. # Provide irrigation if water is require. # Remaining quantity of nitrogen is applied 30-40 days after transplanting. # Provide irrigation if water is require. # Remaining quantity of nitrogen is applied 30-40 days after transplanting.				I =
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♣ Apply any systemic insecticide to reduce damage of chilli thrips.				Dravida imigation if water is magning
reduce damage of chilli thrips.			SAIHA	
Brinjal Fruiting to According to forecast and past weather	Brinjal	Fruiting to		♣ According to forecast and past weather

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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.
		1	♣ Seed must be keep for next rabi
	MAMIT		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
	1	1 67	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	 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
	Jougo	LUNGLEI	required for upcoming week or use
	3	TOTAL STREET	straw mulch reduces soil water loss.
	- 1	22	If irrigation is not available keep grass
	. 7	W (>	and dry leaves as mulch.
			Harvest all the mature which colour change to pale yellow to red.
		135 6	Seed must be keep from self pollinated
		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	V/N/	6 Page

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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	harvested potato tubers.
	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		WY 3	♣ Animals must keep in dry place or
Fig	All stages	1 1	kept in alleviated area and dry bedding
	3	Control of the 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	A CONTRACTOR OF THE PARTY OF TH	followed by annual vaccination under
	1	A AIZAWL	vet supervision against FMD.
	1	1	Reduce concentrate diet up to 5%.
		(♣ Provide adequate potable water.
	9	27	♣ In present weather conditions
	1	- 1 3 A	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 Charles	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 9 8	feed
	,		Provide 10-30 ml of vitamin B-Complex
		(3)	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 vet supervision.
			Separate sick animals.
			The animal should be washed with
	<u> </u>	9 1	The annual should be washed with
		112	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	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERY			7
	Monitoring of fish in pond	LAWNGTLALSAIHA	 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. 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.

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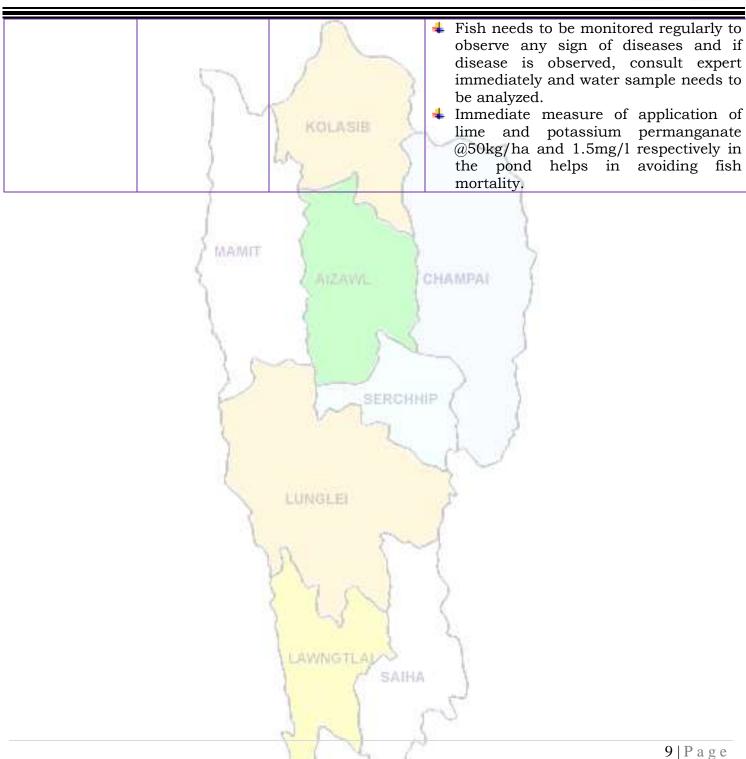


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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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District: Saiha Period: 14 February - 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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

14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):13-15°C Maximum RH (%):72-85% Minimum RH (%):45-58% Wind Direction: Southeasterly

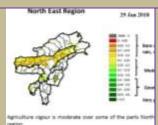
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin of 73-78% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 13th February, 2018

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2 | P a g e

gricultural / Horticultural/ animal
husbandry advisories
Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh
kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
keh tur lakah t a veng thei ani.
Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
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.
 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		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
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	n to	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	2	wy)	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	1	/	khuh tur ani.
rice fellow Potato	Carrier store	1	♣ Muangchang loving alu chin na tur
Potato	Sowing stage	Z AIZAWL Z	chu buatsaih vat tur ani.
	1		♣ Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 54	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		4 A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
VEGETABLE CR	OP	No. large	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease	100	natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	TOTAL SHAREST	hmunah chuan natna an kai hma bik ani.
		550	Tomato hi a uai a, a thih mai loh nan
		1	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
Forty Colo	Plack spot		tur ani . 4 A than a that theih nan nikhat danah
Early Cole crop	Black spot disease	20	tui pek thin tur ani.
Clop	uisouso	1	♣ Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			Likhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 1	- sa vangin a iman an um uum fawii

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3	1		an chaw eitur thlak sak thut loh tur
		V V		ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	2	7		a puitlingh chuan R2B vaccine pek tur
)			ani.
)	5 6		B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	3			coccidiostat
	T MAUNTI	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	ATZAWIL	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
			40	atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	116	NAME OF THE OWNERS OF THE OWNER		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1776	6	enfiah vat tur ani.
	1	1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		A CHARLETT ALL S		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA)
			Pro	7
		1 2		2
		60	1.1	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 14 February - 18 February, 2018

Date of issue: 13th February, 2018 Bulletin No: - 770/2018/ Bulletin/English

Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	27	27
Min Temp (°C)	10	10	11	11	11
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly clear	Mainly clear
Max RH (%)	77	78	73	74	73
Min RH (%)	29	32	21	16	17
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-E	S-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 (09.28mm)(10.31mm)

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

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

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

Weather summary of the past three days

Weather forecast valid from 14thFebruary, 2018 To 18thFebruary, 2018.

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):12-14°C Maximum RH (%):74-86% Minimum RH (%):44-59% Wind Direction: Southeasterly

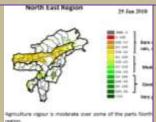
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27°C and 10-11°C. Maximum relative humidity is expected in the range of 73-78% and minimum may from 16-32%. Wind direction would be southeasterly to easterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases	·	
FRUITS CROPS				
KHASI	Flushing	<" 5	♣ 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)	LA.	for upcoming week or use straw mulch	
COMAD 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	\$	10.7000	harvest in winter to early spring before	
	1	(AIZAWIL)	bud break. For late varieties where two	
	1	5	crops may hang on the tree at once	
	1	6 8 7	some of the new crop may be lost.	
	1		♣ Use Bordeaux paste or insecticide paste	
	2 6		mixture to reduce the damage of white	
))		ant upto 4 feet height.	
	-	SERCHI	Apply Bordeaux mixture to the plant after	
	1	V~ 1	pruning.	
	1		♣ Application of split dose of fertilizer 600:	
		11/2	200:100 (g/pt).	
		Gummosis,	→ Due to low temperature and humidity	
	1	citrus canker,	disease appearance will more. Use Bordeaux	
	7	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne	
	5/	and Dieback	disease.	
PLANTATION CR	OP			
COFFEE	Blooming	3	♣ If day temperature and prolong dry	
	stage	(9 20)	spell occur it lead to Floral	
	_		abnormalities like "Star Flower" in	
		-3	Arabica and "Pink Flower" in Robusta.	
		The same of the sa	♣ Irrigation of plants at alternate day's	
		LAWNGTLAL	interval, 6 weeks before harvesting	
		SAIHA	improves fruit retention and fruit development, and reduces fruit	
			development, and reduces fruit cracking and improves the fruit quality.	
		1 = 1	# Mulching should be done with dry	
		6 1	\	
2 P a g e				

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				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
		KOLASIB	<i>a</i>	@ 1000 PPM concentration or 0.75%
	(f. S	5	SSP @ 1.5 g per 200 lt of water 15 days
	1	100		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.
	(1	2 4	Farmers can go for tapping upto last
	1	(AIZAWIL)	i.	week of January.
	1	5	4	Make fire line around the field to save
	4.5	1		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 manure.
Strawberry	Fruit	SERCHH	4	Possibility of rain will be very less. So
	formation to	V Lag		provide water every alternate day.
	harvesting	1	4	Harvest all mature fruits or partially
	stage		-	matured fruit
		AMERICAN STREET	+	Periodical harvest must be done once in
CEREALS AND I	PILLSE CROPS	LUNGLEL		a week
Rabi Maize	Harvesting	Life -	4	Possibility of rain will be very less.
	stage	n Em		Harvest all the mature cobs.
	Jongo		4	Keep harvested cobs in sundry for 8 to
	((by see)		10 days to keep the moisture level
				below 10%.
		-3	+	25% seed will keep as seed for next
		The same of the sa	4	year. Parrot attacking trap should be made
		LAWNGTLAND	-	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.
		100	17.1	

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and blackgram	stage	1	♣ Collection and destruction of damage plant or plant part and spraying of any systemic inserticide @ 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		♣ 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	♣ 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 6	

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			dry sample.
			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
		KOLASIB	required for upcoming week or use
	((. · · · · · · · · · · · · · · · · · ·	straw mulch reduces soil water loss.
)	wy)	Harvest all mature cards.
	5	2	♣ Don't spray any kind of pesticide to the
	5		crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
0 0	formation	7	due to non availability of rain.
	stage		♣ Intercultural operations should be
	Stugo	1	done regularly to keep the crop free
	1	(AIZAWL	from weeds and better growth of bulb.
	1	5	♣ Remaining quantity of nitrogen is
	Δ.	S	applied 30-40 days after transplanting.
	1.0	1 185	Provide irrigation if water is require.
	0 6		Low temperature and high humidity
	1		influence the population of onion trips.
		SERCHN	Apply any systemic insecticide 1.5
		1	ml/lt of water.
French bean	Flowering to		♣ Possibility of rain will be less coming
	fruiting stage	7	five days. So alternate irrigation should
			be done 5 days interval.
	116	Millionetti	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 Hexaconazole 1.5 ml/lt of water for
		17	better growth and development
Capsicum	Vegetative	Poly house	♣ Intercultural operations should be done
Capsicum	stage	Tory mouse	regularly to keep the crop free from
	stage	1 50 4	weeds and aeration of the root system.
		1	Remaining quantity of nitrogen is
		LAWNGTLAL	applied 30-40 days after transplanting.
		the state of the s	Drovido irrigation if water is require
		# SAIHA	♣ Apply any systemic insecticide to
			reduce damage of chilli thrips.
Brinjal	Fruiting to	1 2 1	♣ According to forecast and past weather
	<u> </u>	6	V.

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	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	-	5	required for upcoming week or use
	1 1	1	straw mulch reduces soil water loss.
	1 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.
)	GA.	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
	J MAMIT		season.
Chilli	Vegetative to	AIZAWA_)	According to forecast and past weather
	flowering	dementale:	record, there is no probability of
	stage)	rainfall. So weekly twice irrigation is
	46	1 6 6	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.
	1)		Apply split dose of nitrogenous
		SERCHN	fertilizer to the plant.
		V Lag	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		straw mulch reduces soil water loss.
		5%	If irrigation is not available keep grass
		11	and dry leaves as mulch. Harvest all the mature which colour
	1		change to pale yellow to red.
		100	Seed must be keep from self pollinated
	1	1 50 4	variety.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAL	or malathion 0.15 per cent suspension
		SAIHA	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
			initiation.
Potato	Harvesting		If the leaves and plant became dry it
		20	means plant ready for harvesting.
		112	6 P a g e

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

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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	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. ♣ Remove wet litter.
FISHERI	Monitoring of fish in pond	LUNGLEI	 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. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. 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.

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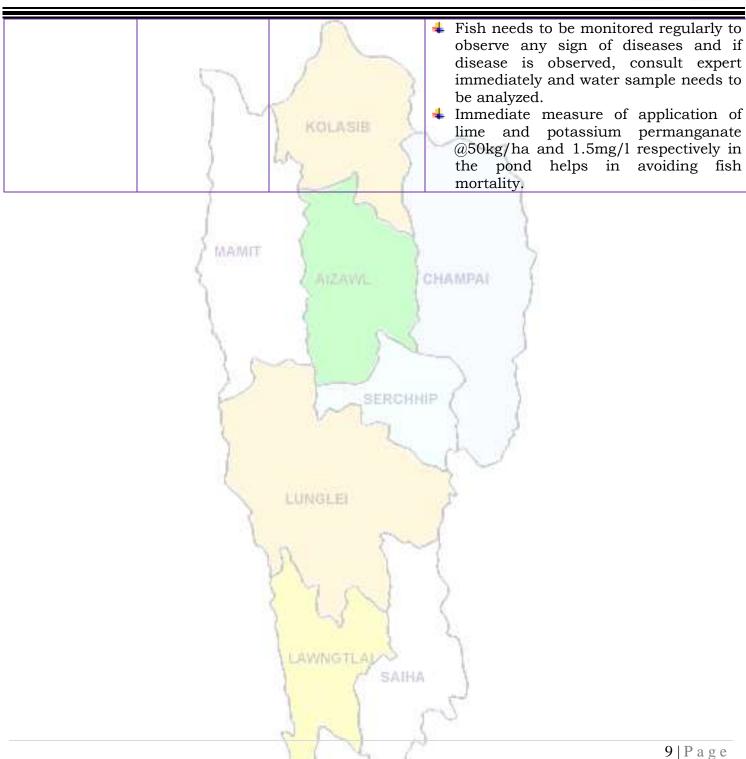


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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 14 February – 18 February, 2018

Bulletin No: - 770/2018/ Bulletin/Mizo

		P.	3.0		
Parameters	14.02.2018	15.02.2018	16.02.2018	17.02.2018	18.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	10	11	10	11	10
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	97	98	100	77
Min RH (%)	29	27	29	28	26
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	S-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 Cham

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):23-25°C Minimum Tem. (°C):12-14°C Maximum RH (%):74-86% Minimum RH (%):44-59% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

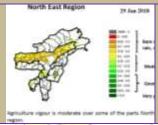
14th February – 18th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 13th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 73-78% leh a hniam lai berin 16-32% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(00101	♣ Hmaih neih nuaih loh tur ani.
)	WA 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	3	the second of	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
]]	20	👃 A thlai vennan a rah tlai ho chu paih vek
	Summer		tur ani.
	MAINIT	A	Hmun dam lutukah dah loh tur.
	9	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	7	3	rawn chawr no theih nan thlai chu uluk
))	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	30 1		tawkah chuan: Arabica / robusta
		SERCHH	
		SEROIN .	robusta cherry 11.0 %.
	y .	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND PUL		2776	
Rabi Maize	A chin hun	W S	→ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	8		Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
	N .	1 60 4	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		1 / h	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			# m
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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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	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum)	Wy)	tui pek thin tur ani.
	5		Thlai bul vawn hnawn nana thlai bula
	7	5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		5	Thlai chhina hmun (nursery) hi hnim a
	3		to loh nan Pendimethalin @ 3.5ml hi
	J. WAINIT	1	tui liter 1 zelah pawlh a kah hi a tha
	1	Z AIZAWIL Z	hle ani.
	- U	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	9	2 8	(Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh
) 6	~ 1 1	emaw 2 g captan emaw 3 copper
	100		oxychloride a tui liter 1 hi 10-15 DAS a
		SERCON	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. A than duna theih nan leh hnim to loh
	Ji.		
	1	1 (19/2) 5)	na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and	Sowing stage		♣ A than a that theih nan nikhat danah
radish	20 8 20080	27th	tui pek thin tur ani.
_ 5,51	-	in the	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
	((6 20)	Likhlum lam chi ah chuan sik leh
			📝 sa vangin a hnah ah thil dum a
		3	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	♣ Thlai hna lam chi leh zikhlum lam
		# SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
		1	pawlha kah tur ani.

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

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7 | P a g e

		1	+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.
	5	1	4	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	En . S		1-6 ah F1 vaccine pek tur ani a, chuan
	/	" 1		a puitlingh chuan R ₂ B vaccine pek tur
	7		١.	ani.
	1		*	B complex with antibodies
	1	4 th weeks	+	Coccidiosis- Amprolium or
	S CARRATT		_	coccidiostat
	J. INFOMIT	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	(AIZAVVL	CH	AMPAI)
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 188		lo hmuar anih chuan pek hma in ni sa
) 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	HP)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	130		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	276	NAME OF THE OWNERS OF THE OWNER,		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		- 7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
		P \	1	chuan mithiam te rawn vat a, diltui
		137 [enfiah vat tur ani.
	N.	1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAL		sangha natna avang a thi tur lak
		The state of the s		atangin a veng thei.
		SAIH	9)
			Prince	T
			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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