

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 24 March - 28 March, 2018

Bulletin No: - 778/2018/ Bulletin/English Date of issue: 23th March, 2018

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	3	0	5	6
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	16	16	16	16	17
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	92	92	85	68	82
Min RH (%)	27	27	25	27	23
Wind Speed (KmpH)	3	3	4	4	4
*Wind Direction	E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm Saiha- 0.0

Saiha- 0.00 mm Kolasib- 7.60mm

(20.78mm) (13.99mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm (17.83mm)

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

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

Maximum Tem. (°C):28-29°C Minimum Tem. (°C):16-17°C Maximum RH (%):68-72% Minimum RH (%):38-51% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 16-17°C. Maximum relative humidity is expected in the range of 68-92% and minimum may from 23-27%. Wind direction would be easterly to southeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

### Weekly cumulative rainfall: 14.0 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	Į.		rainfall. So weekly irrigation is required
LIME	)	C AN	for upcoming week or use straw mulch
STAR FRUIT	(	2 1	reduces soil water loss.
STAR FRUIT	3	Come L	♣ 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	\$	0.7000	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		some of the new crop may be lost.
	1		♣ Use Bordeaux paste or insecticide paste
	1		mixture to reduce the damage of white
	)		ant upto 4 feet height.
		SERCHN	Apply Bordeaux mixture to the plant after
	1	V~1~	pruning.
	1		♣ Application of split dose of fertilizer 600:
			200:100 (g/pt).
	J.	Gummosis,	Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
	3	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
	1	and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Blooming	3	♣ If day temperature and prolong dry
	stage	( 5 20)	spell occur it lead to Floral
			abnormalities like "Star Flower" in
		-3	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
			development, and reduces fruit cracking and improves the fruit quality.
		1 3	<ul><li>Mulching should be done with dry</li></ul>
		6	\
		1 4	2   P a g e

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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND	PULSE CROPS		
Maize (Jhum)	Land preparation	LAWNGTLAL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>

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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		5		morning hours to avoid shattering.
blackgram	1	1	-	As the plants are intertwined, harvest the crop by rolling the plants in small
		T )		patches.
		KOLASIB	4	Sundry properly to avoid pulse beetle
	(	f., (	3	attack.
	1	W )	4	Keep dry neem leaves to avoid pulse
	>			beetle attack.
Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT		4	morning hours to avoid shattering. As the plants are intertwined, harvest
Jhum	7. 17.25		, <b>T</b>	the crop by rolling the plants in small
	3	( ATZAWIL )	G:	patches.
	1	1	4	Sundry properly to avoid pulse beetle
	\	( )		attack.
	1	1 1/1	-	Keep dry neem leaves to avoid pulse
	1			beetle attack.
Zero tillage	Harvesting	Zero tillage		Harvest the crop when about 80 per
Toria	stage	SERCHN	Ι÷	cent of the siliqua turn white and during morning hours to avoid
	1	V Lag		shattering.
	1		4	As the plants are intertwined, harvest
	1			the crop by rolling the plants in small
		Unit the second	_	patches.
TARCEMANT E CO	20	LUNGLEI	+	Sundry properly to avoid fungus attack.
VEGETABLE CRO			4	Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting stage	m 800	-	leaves start yellowing and ultimately
turmenc	siage			the stem dries down.
		1 2	4	The plants are-cut close to the ground.
		3		The crop is irrigated lightly for easy
		-3		digging.
			+	Harvesting consists of digging of
		LAWNGTLAN		underground clumps of rhizomes with pick axe or digging fork.
		SAIHA	4	Fingers are separated from mother
				rhizomes.
				Wash clumps of rhizomes with water
		6	VIII.	<u> </u>

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			and keep it for sundry.
			♣ Seed stock will be store from partially
			dry sample.
			<b>♣</b> Cut the rhizome to small pieces for
	3 1	1	proper drying.
Cole crop	Harvesting	V commence V	♣ According to forecast and past weather
•	stage	KOLASIB	record, there is no probability of
	Stage	( )	rainfall. So weekly twice irrigation is
	1	W 1	required for upcoming week or use
	)		straw mulch reduces soil water loss.
	)	STATE	♣ Harvest all mature cards.
	1	5	♣ Don't spray any kind of pesticide to the
	2		crop which creates more health hazard.
Onion	Bulb Amir	Poly house	♣ Provide irrigation every alternate day
	formation	AIZAWL	due to non availability of rain.
	stage	Careane 1	4 Intercultural operations should be
	١ ١	)	done regularly to keep the crop free
	1	1 2 P	from weeds and better growth of bulb.
	1		Remaining quantity of nitrogen is
	1 6		applied 30-40 days after transplanting.
	36 1		Provide irrigation if water is require.
		_ SERCHN	Low temperature and high humidity
	1	V~	influence the population of onion trips.
	(		4 Apply any systemic insecticide 1.5
			ml/lt of water.
French bean	Harvesting		Harvest the crop when about 80 per
	stage	MEMORIA	cent of the pods turn brown and during
		LUNGLEI	morning hours to avoid shattering.  Keep dry neem leaves to avoid pulse
	1		beetle attack.
	-	- F	♣ Keep 25% of seed lot for next year.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
Capsicum	fruiting stage	Toly House	regularly to keep the crop free from
	multing stage		weeds and aeration of the root system.
	N N	1 -9	Harvest all mature fruits.
		1	Provide irrigation if water is require.
		LAWNGTLAL	♣ Apply any systemic insecticide to
		PARIL	reduce damage of chilli thrips.
Brinjal	Fruiting to	( SAIIIA	♣ According to forecast and past weather
	flowering	1	record, there is no probability of
	stage	1 2 1	rainfall. So weekly twice irrigation is
			5   D 0 0 0
		4	5   P a g e

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	3	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension</li> </ul>
Potato	Harvesting stage	LAWNGTLAUSAIHA	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  If the leaves and plant became dry it means plant ready for harvesting.
		7 12 1	Open the furrow with the help of 6   P a g e

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			spade, harvest all mature tubers.  I Discard all mother tubers from
			harvested potato tubers.
	1	1	♣ Keep 7 -10 days for drying or reduce
	1 1	5	the moisture level in shed dry.
0	0 1 1 1	KOLASIB	Keep 25% seed for next season sowing.
Cowpea	Sowing stage	1	♣ Plough the field properly, at least 2-3
	)	W.	times.  Mix fertilizer with FYM 50:60:60Kg
		1 1	/ha.
	3		Sow 2-3 seed per whole.
	1		Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	<ul><li>Plough the field with the help of spade.</li></ul>
Omu	MAMIT	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	S	in nursery bed.	Before sowing seed provide one or two
	1	Provide Provide	irrigation.
	1	irrigation in	♣ Provide fertilizer @ 120: 60: 60 Kg/ha
	3	transplanted	4
	1	okra field.	
ANIMAL HUSBE	NDARY	okia iiciu.	
Pig	All stages		♣ Animals must keep in dry place or
5	TIII Stuges	SERCHN	kept in alleviated area and dry bedding
	1	V	(straw) to be provided to young
			animals.
			4 1st injection at 6 months of age and
	1.0		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	7	H-100-100-100	vet supervision against FMD.
		and the same of th	Reduce concentrate diet up to 5%.
	1	m 7 ~~	Provide adequate potable water.
			In present weather conditions
	()	( by St. )	vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1. Canning of positive pigs of pigicis.
		Respiratory	7
		Syndrome (PRRS).	V.
	1	SAIHA	

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Cattle	All age group	17	4	In present weather conditions, special
Cattic	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	- F 3		wounds followed by application of
	1 1	7		antibiotics for five days is advised.
	1 3	KOLASIB		Provide UMB/Molases if possible in the
	1	1	1	
	)	Lan N		feed  Provide 10 20 ml of vitemin B Compley
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex in feed
	7			
	/	2	-	1st injection at 6-8 weeks of age, 2nd
	1	27		injection after 6 months of 1st injection
	Same			followed by annual vaccination under
	) MAMIT			vet supervision.
	- N	AIZAWL I	cil.	Separate sick animals.
	)		-	The animal should be washed with
	1	7		lukewarm water added with little
	1	3 6 7		potash (KMnO4) or neem leaves.
			-	Long hair near the
	1 6			udder/stomach/back legs should be
			-	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial
		V~		drugs to poultry.
	(		*	Proper ventilation of shed.
			-	Provide glucose/electral along with
			-4	vitamin supplements (@5- 6ml/100
	76	A STATE OF THE STA		birds) with adequate potable water
		LUNGLEI	7	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
	. /	-73	1	drugs under vet supervision and
	. 7	17	1	recommended doses.
			*	Vaccination as per the schedule with
	()	1 9 8		proper consultation with vet.
	<u> </u>		1	Day old chick: HVT Marek disease
		-3	3	vaccine, 4-7 days:¬ F/Lasota, 14-18
			104	days: Intermediate plus/IBD
		LAWNGTLAU		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
				fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
		Co.	100	

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond 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 av fungal growth that releases aflatoxin which could lead to mortality ♣ Fish harvesting may be carried out by complete dewatering of pond. After MAMIT dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. ♣ Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. SERCHNIP Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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SAIHA

LAWNGTLAL

CHAMPAI

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Bulletin No: - 778/2018/ Bulletin/Mizo

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*Wind Direction	E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

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Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm) Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):28-29°C Minimum Tem. (°C):16-17°C Maximum RH (%):68-72%

Minimum RH (%):38-51% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

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

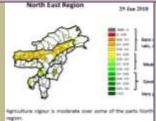
(17.83mm)

Date of issue: 23th March, 2018

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 68-92% leh a hniam lai berin 23-27% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 14.0mm

**NDVI** for Mizoram



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	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	Y	)	(
	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.
	la la	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	0	♣ Hmaih neih nuaih loh tur ani.
	)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	1	3	paih fai vek tur ani.
	]		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J Interview	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL	Boruak tha taka a hmuh theih nan leh a
	1	3	rawn chawr no theih nan thlai chu uluk
	N.	)	tak a hlawi tur ani.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) (		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		( Sections	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		270	<b>1 7 7 7 1 1 1 1 1 1 1</b>
Rabi Maize	A chin hun	m 700	→ Vaimim chinna tur atan lei kan let
		3 (	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	in the second	1 -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Lamorana	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 10	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		114	3   P a g e

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

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	57		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
	1 4	KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	1	F-1	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
	MAMIT		Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
	16	CAIZAWL	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
	35		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	SERCHH	<ul> <li>Tui pek a hnihnah hringa khuh tur ani</li> <li>a. than a that theih nan tui pek hma</li> <li>in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh</li> <li>na turin a kung bulah lei vur chhoh zel</li> </ul>
Ocument and	Coming a store	LUNGLEI	tur ani.  4 A than a that theih nan nikhat danah
Carrot and radish	Sowing stage		tui pek thin tur ani.
Tauisii	-	n 85~	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
	(	( 4 20)	Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		( -3)	rawn awm thina, hei hi natna
		LINGS THE STATE OF	tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam
		LAWNGTLAN	A.
		( SAITH	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
	ı	N 1 (	

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

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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.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	GP )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	- 5			ani.
	)	STATE	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	/ MAMIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI	1 2		a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turin
	1			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	1	V Lang		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	0.0	buatsaih a ti awlsam a, dil mawng
	3	COLUMN CHANNEL	1	phoro, chinai phul, leitha hman leh tul
	1	000		dang in dil buatsaih tur ani.
	. **	10	1	Sangha te natna lak atangin an him em
			- (0	tih enfiah fo a tha a, natna hmuh anih
	1	19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	À	5 5
				T-1
			1	7
		N 10	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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

Date of issue: 23th March, 2018 Bulletin No: - 778/2018/ Bulletin/English

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	3	0	5	6
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	16	16	16	16	17
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	92	92	85	78	82
Min RH (%)	25	24	22	34	32
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 3.60mm Aizawl- 5.40mm

Saiha- 0.00 mm (18.29mm) Kolasib- 7.60mm (33.14mm)

(20.78mm)

(13.99mm)Lunglei-4.30mm

Mamit-8.10mm

Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

(23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):16-18°C Maximum RH (%):65-75% Minimum RH (%):35-42% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Weather forecast valid from 24th March, 2018 To 28thMarch, 2018.

There are chances of light during rainfall the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 16-17°C. Maximum relative humidity is expected in the range of 78-92% and minimum may from 22-34%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Mainly clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 14.0 mm

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 FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	♣ According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT		\$ 1	♣ Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND PEACH	MAMIT	AIZAWL	<ul> <li>loss of healthy foliage.</li> <li>The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> </ul>
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR			
COFFEE	Blooming stage	LAWNGTLALSAIHA	<ul> <li>♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.</li> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry</li> </ul>
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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
		ly 5	SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Ct no mile a nome	TTo ware out in a	SERCHH	manure.
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND I			
Maize (Jhum)	Land preparation	LAWNGTLAUSAIHA	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
		111	3   P a g e

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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		1	_	morning hours to avoid shattering.
blackgram	1	1	*	As the plants are intertwined, harvest
	1 1	7		the crop by rolling the plants in small patches.
		KOLASIB		Sundry properly to avoid pulse beetle
	(		3	attack.
	)	Wy )	4	Keep dry neem leaves to avoid pulse
	3			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT			morning hours to avoid shattering.
Jhum	7 instanti	\(		As the plants are intertwined, harvest the crop by rolling the plants in small
	3	( ATZAVVIL.	G.	patches.
	1	1	4	Sundry properly to avoid pulse beetle
	\.	S		attack.
	1	1 50	4	Keep dry neem leaves to avoid pulse
	1 6			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Toria	stage	SERCHN	ΙF	cent of the siliqua turn white and during morning hours to avoid
	1	V		shattering.
	5		4	As the plants are intertwined, harvest
	4			the crop by rolling the plants in small
				patches.
TIPODE A DI DI CO		LUNGLEI	+	Sundry properly to avoid fungus attack.
VEGETABLE CRO				Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting stage	m Em	-	leaves start yellowing and ultimately
Curmenc	stage			the stem dries down.
		( S. )	4	The plants are-cut close to the ground.
		3 1 5 3	l .	The crop is irrigated lightly for easy
		1 55 7		digging.
				Harvesting consists of digging of
		LAWNGTLAN		underground clumps of rhizomes
		# SAIHA	4	with pick axe or digging fork. Fingers are separated from mother
				rhizomes.
				Wash clumps of rhizomes with water
		0 0		F 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 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)



Cole crop	Harvesting stage	KOLASIB	<ul> <li>and keep it for sundry.</li> <li>Seed stock will be store from partially dry sample.</li> <li>Cut the rhizome to small pieces for proper drying.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature cards.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Don't spray any kind of pesticide to the crop which creates more health hazard.</li> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> </ul>
	P	SERCHH	<ul> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity influence the population of onion trips.</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
French bean	Harvesting stage	LUNGLEI	<ul> <li>Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering.</li> <li>Keep dry neem leaves to avoid pulse beetle attack.</li> <li>Keep 25% of seed lot for next year.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	J. C.	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	3	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent</li> </ul>
Potato	Harvesting	LAWNGTLAL	♣ If the leaves and plant became dry it
	stage	42	means plant ready for harvesting.  Open the furrow with the help of 6   P a g e

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	5		<ul> <li>spade, harvest all mature tubers.</li> <li>Discard all mother tubers from harvested potato tubers.</li> <li>Keep 7 -10 days for drying or reduce the moisture level in shed dry.</li> <li>Keep 25% seed for next season sowing.</li> </ul>
Cowpea	Sowing stage	LA COLASIB	<ul> <li>Plough the field properly, at least 2-3 times.</li> <li>Mix fertilizer with FYM 50:60:60Kg /ha.</li> <li>Sow 2-3 seed per whole.</li> <li>Spacing should be 30 X 20 cm.</li> </ul>
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 45 X 45 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> <li>Provide fertilizer @ 120: 60: 60 Kg/ha</li> </ul>
ANIMAL HUSBE Pig	All stages		4 Animals must keep in dry place or
		LUNGLEI	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)  1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	1	SAIHA	

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8 | P a g e

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-Completin feed Ist injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.  Poultry  All age group  SERCITION Provide preventive dose of anti-coccidite drugs to poultry. Provide preventive dose of anti-coccidite drugs to poultry. Provide preventive dose of anti-coccidite drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthid drugs under vet supervision and recommended doses. Vaccination as per the schedule with	Cattle	All age group		♣ In present weather conditions, special
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-Completin feed  Provide 10-30 ml of vitamin B-Completin feed  1st injection at 6-8 weeks of age, 2ntinjection after 6 months of 1st injection followed by annual vaccination unde vet supervision.  Separate sick animals.  The animal should be washed with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.  Poultry  All age group  Provide preventive dose of anti-coccidited drugs to poultry.  Provide preventive dose of anti-coccidited drugs to poultry.  Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water  Avoid overcrowding.  Provide broad-spectrum antihelminthing under vet supervision and recommended doses.  Vaccination as per the schedule with vitamin and per the schedule with vitamin and per the schedule with vitamin as vitaminated vita	Cuttio	ım ağo group		
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			17.	
proper consultation with vet				proper consultation with vet.
			3700	> Day old chick: HVT Marek disease
			1 1 1	vaccine, 4-7 days: ¬F/Lasota, 14-18
			( -3)	
vaccine 35 days: E/Lagota 6			Compression and the second	vaccine, 35 days: F/Lasota, 6-7
weeks. Chicken embryo adoptes				weeks: Chicken embryo adopted
			# SAIHA	fowl pox vaccine and 56-70 days:
RD R-2B strain.			1	
RD R-2B strain.  Remove wet litter.				COLUMN TO THE PARTY OF THE PART
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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB ♣ 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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SAIHA

LAWNGTLAL

CHAMPAI

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 24 March - 28 March, 2018

Bulletin No: - 778/2018/ Bulletin/Mizo

		1			
Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	3	0	5	6
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	16	16	16	16	17
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	92	92	85	78	82
Min RH (%)	25	24	22	34	32
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)

(33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm

(14.39mm)

Weather summary of the past three days

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

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):16-18°C Maximum RH (%):65-75% Minimum RH (%):35-42% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

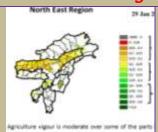
Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 78-92% leh a hniam lai berin 22-34% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

(17.83mm)

Date of issue: 23th March, 2018

#### Weekly cumulative rainfall: 14.0mm

**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	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	Y	)	(
	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.
	la la	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	0	♣ Hmaih neih nuaih loh tur ani.
	)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	1	3	paih fai vek tur ani.
	]		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J Interview	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL	Boruak tha taka a hmuh theih nan leh a
	1	3	rawn chawr no theih nan thlai chu uluk
	N.	)	tak a hlawi tur ani.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) (		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		( Sections	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		270	<b>1 7 7 7 1 1 1 1 1 1 1</b>
Rabi Maize	A chin hun	m 700	→ Vaimim chinna tur atan lei kan let
		3 (	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	in the second	1 -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Lamorana	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 10	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		114	3   P a g e

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

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	57		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
	1 4	KOLASIB	tur ani.
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	1	F-1	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
	MAMIT		Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
	16	CAIZAWL	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
	35		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	SERCHH	<ul> <li>Tui pek a hnihnah hringa khuh tur ani</li> <li>a. than a that theih nan tui pek hma</li> <li>in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh</li> <li>na turin a kung bulah lei vur chhoh zel</li> </ul>
Ocument and	Coming a store	LUNGLEI	tur ani.  4 A than a that theih nan nikhat danah
Carrot and radish	Sowing stage		tui pek thin tur ani.
Tauisii	-	n 85~	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
	(	( 4 20)	Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		( -3)	rawn awm thina, hei hi natna
		LINGS THE STATE OF	tlanglawn ber ani.  Thlai hna lam chi leh zikhlum lam
		LAWNGTLAN	A.
		( SAITH	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
	ı	N 1 (	

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

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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.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	GP )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	- 5			ani.
	)	STATE	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	/ MAMIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI	1 2		a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turin
	1			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	1	V Lang		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	0.0	buatsaih a ti awlsam a, dil mawng
	3	COLUMN CHANNEL	1	phoro, chinai phul, leitha hman leh tul
	1	000		dang in dil buatsaih tur ani.
	. **	10	1	Sangha te natna lak atangin an him em
			- (0	tih enfiah fo a tha a, natna hmuh anih
	1	19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	À	5 5
				T-1
			1	7
		N 10	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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

Bulletin No: - 778/2018/ Bulletin/English Date of issue: 23th March, 2018

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	75	63	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	2	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm

Lunglei-4.30mm

Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

(19.52mm)

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

(17.83mm)

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-18°C Maximum RH (%):62-71% Minimum RH (%):41-46% Wind Direction: Southeasterly

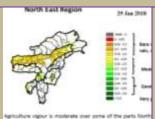
Cloud cover: Clear sky
Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 18-19°C. Maximum relative humidity is expected in the range of 63-85% and minimum may from 25-42%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 13.0 mm

**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 FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	Flushing stage	KOLASIB	♣ According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
STAR FRUIT		\$ 1	♣ Pruning should involve removing unhealthy, unwanted and poorly positioned branches but minimise the
PLUM AND PEACH	MAMIT	AIZAWL	<ul> <li>loss of healthy foliage.</li> <li>The best time to prune is soon after harvest in winter to early spring before bud break. For late varieties where two crops may hang on the tree at once some of the new crop may be lost.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> </ul>
	1	Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR			
COFFEE	Blooming stage	LAWNGTLALSAIHA	<ul> <li>♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.</li> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry</li> </ul>
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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
		ly 5	SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Ct no mile a nome	TTo ware out in a	SERCHH	manure.
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND I			
Maize (Jhum)	Land preparation	LAWNGTLAUSAIHA	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		1	_	morning hours to avoid shattering.
blackgram	1	1	*	As the plants are intertwined, harvest
	1 1	7		the crop by rolling the plants in small patches.
		KOLASIB		Sundry properly to avoid pulse beetle
	(		3	attack.
	)	Wy )	4	Keep dry neem leaves to avoid pulse
	>			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT			morning hours to avoid shattering.
Jhum	7 instanti	\(		As the plants are intertwined, harvest the crop by rolling the plants in small
	3	( ATZAVVIL.	G.	patches.
	1	1	4	Sundry properly to avoid pulse beetle
	\.	S		attack.
	1	1 50	4	Keep dry neem leaves to avoid pulse
	1 6			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Toria	stage	SERCHN	ΙF	cent of the siliqua turn white and during morning hours to avoid
	1	V		shattering.
	5		4	As the plants are intertwined, harvest
	4			the crop by rolling the plants in small
				patches.
TIPODE A DI DI CO		LUNGLEL	+	Sundry properly to avoid fungus attack.
VEGETABLE CRO				Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting stage	m 800	-	leaves start yellowing and ultimately
Curmenc	stage			the stem dries down.
		C Si	4	The plants are-cut close to the ground.
		3 1 5 3	l .	The crop is irrigated lightly for easy
		1 55 7		digging.
				Harvesting consists of digging of
		LAWNGTLAN		underground clumps of rhizomes
		# SAIHA	4	with pick axe or digging fork. Fingers are separated from mother
				rhizomes.
				Wash clumps of rhizomes with water
		0 0		F 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

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



Cole crop	Harvesting stage	KOLASIB	<ul> <li>and keep it for sundry.</li> <li>Seed stock will be store from partially dry sample.</li> <li>Cut the rhizome to small pieces for proper drying.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature cards.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Don't spray any kind of pesticide to the crop which creates more health hazard.</li> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> </ul>
	P	SERCHH	<ul> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity influence the population of onion trips.</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
French bean	Harvesting stage	LUNGLEI	<ul> <li>Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering.</li> <li>Keep dry neem leaves to avoid pulse beetle attack.</li> <li>Keep 25% of seed lot for next year.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	J. C.	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	3	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent</li> </ul>
Potato	Harvesting	LAWNGTLAL	♣ If the leaves and plant became dry it
	stage	42	means plant ready for harvesting.  Open the furrow with the help of 6   P a g e

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	5		<ul> <li>spade, harvest all mature tubers.</li> <li>Discard all mother tubers from harvested potato tubers.</li> <li>Keep 7 -10 days for drying or reduce the moisture level in shed dry.</li> <li>Keep 25% seed for next season sowing.</li> </ul>
Cowpea	Sowing stage	KOLASIB (	<ul> <li>Plough the field properly, at least 2-3 times.</li> <li>Mix fertilizer with FYM 50:60:60Kg /ha.</li> <li>Sow 2-3 seed per whole.</li> <li>Spacing should be 30 X 20 cm.</li> </ul>
Okra ANIMAL HUSB	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 45 X 45 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> <li>Provide fertilizer @ 120: 60: 60 Kg/ha</li> </ul>
Pig	All stages	LUNGLEI	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.

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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-Completin feed Ist injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.  Poultry  All age group  SERCITION Provide preventive dose of anti-coccidited drugs to poultry. Provide preventive dose of anti-coccidited drugs to poultry. Provide preventive dose of anti-coccidited drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthid drugs under vet supervision and recommended doses. Vaccination as per the schedule with	Cattle	All age group		♣ In present weather conditions, special
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<ul> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthing drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with</li> </ul>			SERCHN	
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♣ Vaccination as per the schedule with		L.	- E~	
			17.	
proper consultation with vet				proper consultation with vet.
			3700	> Day old chick: HVT Marek disease
			1 1 1	vaccine, 4-7 days: ¬F/Lasota, 14-18
			( -3)	
vaccine 35 days: E/Lagota 6			Compression and the second	vaccine, 35 days: F/Lasota, 6-7
weeks. Chicken embryo adoptes				weeks: Chicken embryo adopted
			# SAIHA	fowl pox vaccine and 56-70 days:
RD R-2B strain.			1	
RD R-2B strain.  Remove wet litter.				COLUMN TO THE PARTY OF THE PART
Remove wet litter.			2 2	* Kemove wet miler.

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB ♣ 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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SAIHA

LAWNGTLAL

CHAMPAI

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



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

Bulletin No: - 778/2018/ Bulletin/Mizo

Date of issue: 23th March, 2018

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	75	63	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	2	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm

Lunglei-4.30mm

Mamit-8.10mm

Serchhip-4.10mm

(19.52mm)

(23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-18°C Maximum RH (%):62-71%

Minimum RH (%):41-46% Wind Direction: Southeasterly

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

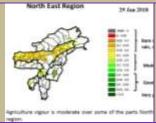
Rainfall: 00.0 mm

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

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 63-85% leh a hniam lai berin 25-42% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 13.0mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	•
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	}	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	non tur manar t a vong thor ann
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
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
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
	)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	- Y	The state of the s	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1.7		EC @ 340 ml/200 lit emaw lamda
	)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.  In leh loa sawngbawln a a ro dan tur
	100		tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLEGE ITEMS	dang te paihpaih vek tur ani.
	- 1		♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMMON CO.	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun	w 85%	✓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		( -9 4	dah ang.
			♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 5	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
	I		
			3   P a g e

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

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

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

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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	
	measures	/_		1-6 ah F1 vaccine pek tur ani a, chuan
	11104154105	60°y		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	8			ani.
	3	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	12	//	_	coccidiostat
	) MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	5	T-0 WCCRS	P11	Calcium tome fortified with B <sub>12</sub>
FISHERI		Conserva-	300.00	
	Monitoring	)	*	Sangha te hi chaw a hmuar kai lo
	(Sangha	2 2 /		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	) 6			a phoro phawt tur ani.
	10)		-	Sangha chaw hi a hmuar lohna turin
		SERCH	(IP)	hmun ro leh uap lutuk lo ah dahthat
				tur ani a, hmuar atang a tur lo inseam
	(			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.  Dil sah kang veka sangha man thin
			53	hian a kumleh a sangha khawinan a dil
	7.6	AND AND STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	(9)	phoro, chinai phul, leitha hman leh tul
	3		19	dang in dil buatsaih tur ani.
		500	1	Sangha te natna lak atangin an him em
		111	1	tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
	1	1 7 6		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		The same of the sa		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
	1	SAIHA	A.	5 5
				T-1
			1	2
		N 1	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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



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

Bulletin No: - 778/2018/ Bulletin/English Date of issue: 23th March, 2018

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	3	0	5	6
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	16	16	16	16	17
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	92	92	85	68	82
Min RH (%)	27	27	25	27	23
Wind Speed (KmpH)	4	2	2	3	3
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm) Mamit-8.10mm (33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C): 15-16°C

Maximum RH (%):58-68% Minimum RH (%):36-43%

Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

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

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 16-17°C. Maximum relative humidity is expected in the range of 68-92% and minimum may from 23-27%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 14.0 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	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		4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	3	and Dieback	protect healthy plant from soil borne
	2.7	and Dieback	disease.
PLANTATION CR			
COFFEE	Blooming		♣ If day temperature and prolong dry
	stage	130	spell occur it lead to Floral
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.
		1	♣ Irrigation of plants at alternate day's
		Laurence	interval, 6 weeks before harvesting
		LAWNGTLAL	in an
		( SAINA	development, and reduces fruit
			cracking and improves the fruit quality.
			♣ Mulching should be done with dry
		6 1	2   D o o o
		4 (	2   P a g e

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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND I	PULSE CROPS		
Maize (Jhum)	Land preparation	LAWNGTLAL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>

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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		5		morning hours to avoid shattering.
blackgram	1. 1	1	+	As the plants are intertwined, harvest the crop by rolling the plants in small
		T )		patches.
		KOLASIB	4	Sundry properly to avoid pulse beetle
	(	f. (	3	attack.
	1	W )	4	Keep dry neem leaves to avoid pulse
	>			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT		4	morning hours to avoid shattering. As the plants are intertwined, harvest
Jhum	7 1/25/11/1		, *	the crop by rolling the plants in small
	3	( AIZAWL )	G.	patches.
	1		4	Sundry properly to avoid pulse beetle
	\ \.	S		attack.
	1		4	Keep dry neem leaves to avoid pulse
	2		-	beetle attack.
Zero tillage	Harvesting	Zero tillage		Harvest the crop when about 80 per cent of the siliqua turn white and
Toria	stage	SERCHN	lF	during morning hours to avoid
	Į.	V		shattering.
		5	4	As the plants are intertwined, harvest
			-	the crop by rolling the plants in small
		0.000000=000		patches.
VECETARI E CR	)D	LUNGLEL	+	Sundry properly to avoid fungus attack.
VEGETABLE CRO	Harvesting		4	Turmeric and ginger is harvested when
turmeric	stage	n 8~		leaves start yellowing and ultimately
	20050			the stem dries down.
		( 19 20 )		The plants are-cut close to the ground.
			+	The crop is irrigated lightly for easy
		-3		digging.
		A second	*	Harvesting consists of digging of underground clumps of rhizomes
		LAWNGTLAN		with pick axe or digging fork.
		# SAIHA	4	Fingers are separated from mother
			J	rhizomes.
			+	Wash clumps of rhizomes with water
		Con Contract		

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			and keep it for sundry.
			♣ Seed stock will be store from partially
			dry sample.
			<b>♣</b> Cut the rhizome to small pieces for
	) [	2	proper drying.
Cole crop	Harvesting	V comments V	♣ According to forecast and past weather
_	stage	KOLASIB	record, there is no probability of
		En S	rainfall. So weekly twice irrigation is
	1	7	required for upcoming week or use
	)		straw mulch reduces soil water loss.
	)	5	♣ Harvest all mature cards.
	1	5	♣ Don't spray any kind of pesticide to the
	(2)		crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
	formation	AIZAWL I	due to non availability of rain.
	stage	Annestone:	4 Intercultural operations should be
	7	)	done regularly to keep the crop free
	1	6 /	from weeds and better growth of bulb.
	1		Remaining quantity of nitrogen is
	1 6		applied 30-40 days after transplanting.
			Provide irrigation if water is require.
	5	SERCHN	Low temperature and high humidity
	1	V~ }	influence the population of onion trips.
			Apply any systemic insecticide 1.5
French bean	Uowroatin <i>a</i>		ml/lt of water.  Harvest the crop when about 80 per
French bean	Harvesting		cent of the pods turn brown and during
	stage	LUNGLEI	morning hours to avoid shattering.
		CONGLET	♣ Keep dry neem leaves to avoid pulse
			beetle attack.
		m Em	♣ Keep 25% of seed lot for next year.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage		regularly to keep the crop free from
		3	weeds and aeration of the root system.
	1	1 -3	4 Harvest all mature fruits.
		N	4 Provide irrigation if water is require.
		LAWNGTLAN	♣ Apply any systemic insecticide to
		SAIHA	reduce damage of chilli thrips.
Brinjal	Fruiting to		♣ According to forecast and past weather
	flowering	Y	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		1/1/	5   P a g e
		-	Jiago

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	1	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension</li> </ul>
Potato	Harvesting stage	LAWNGTLAUS	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
	1	1141	6   P a g e

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	5		<ul> <li>spade, harvest all mature tubers.</li> <li>Discard all mother tubers from harvested potato tubers.</li> <li>Keep 7 -10 days for drying or reduce the moisture level in shed dry.</li> <li>Keep 25% seed for next season sowing.</li> </ul>
Cowpea	Sowing stage	LA COLASIB	<ul> <li>Plough the field properly, at least 2-3 times.</li> <li>Mix fertilizer with FYM 50:60:60Kg /ha.</li> <li>Sow 2-3 seed per whole.</li> <li>Spacing should be 30 X 20 cm.</li> </ul>
Okra  ANIMAL HUSBE	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 45 X 45 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> <li>Provide fertilizer @ 120: 60: 60 Kg/ha</li> </ul>
Pig	All stages		4 Animals must keep in dry place or
		LUNGLEI	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)  1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	The daming of positive pige of pigioto.
	'	SAIHA	

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Cattle	All age group		♣ In present weather conditions, special
Cattle	im ago group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	1. 1	F 5	wounds followed by application of
	1 1	( )	antibiotics for five days is advised.
		KOLASIB	
	1	1	Provide UMB/Molases if possible in the
	)	LA 1	feed
	(	3 4 6	Provide 10-30 ml of vitamin B-Complex
	7		in feed
	/	7	\$\bigs\ 1st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1st injection
	X	(	followed by annual vaccination under
	/ MAMIT	3	vet supervision.
	5	AIZAWL	Separate sick animals.
	1	Constant 1	4 The animal should be washed with
	1	5	lukewarm water added with little
	1	5	potash (KMnO4) or neem leaves.
	1	1 1	♣ Long hair near the
	1		udder/stomach/back legs should be
	A S		teamed short.
Poultry	All age group	- AFRANIA	Provide preventive dose of anti-coccidial
		SERCHN	drugs to poultry.
			♣ Proper ventilation of shed.
	-		♣ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		A distance was	4 Avoid overcrowding.
		LUNGLEI	Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
		- 5	recommended doses.
	- 7	FL /	<ul><li>♣ Vaccination as per the schedule with</li></ul>
	/		proper consultation with vet.
	N.	1 7 6	CALIT T
			Day old chick: HVT Marek disease
		-	vaccine, 4-7 days: ¬F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAU	vaccine, 35 days: F/Lasota, 6-7
		F SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
		1	RD R-2B strain.
			Remove wet litter.
		CA CA	

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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SAIHA

LAWNGTLAL

CHAMPAI

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

Bulletin No: - 778/2018/ Bulletin/Mizo

			2		
Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	3	0	5	6
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	16	16	16	16	17
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	92	92	85	68	82
Min RH (%)	27	27	25	27	23
Wind Speed (KmpH)	4	2	2	3	3
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm Champhai- 3.60mm

Saiha- 0.00 mm Kolas (18.29mm)

Date of issue: 23th March, 2018

Kolasib- 7.60mm (33.14mm)

(14.39mm)

(20.78mm) Lawngtlai-4.00mm (13.99mm) Lunglei-4.30mm

(23.30mm)

Mamit-8.10mm

Serchhip-4.10mm

(19.52mm)

Weather summary of the past

three days

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

(17.83mm)

Maximum Tem. (°C):29-30°C Minimum Tem. (°C): 15-16°C Maximum RH (%):58-68% Minimum RH (%):36-43% Wind Direction: Southeasterly

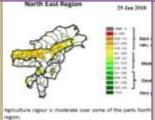
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin 68-92% leh a hniam lai berin 23-27% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 14.0mm

**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			# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	}	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	{ MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	1	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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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
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
	)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	♣ Boruak tha taka a hmuh theih nan leh a
	1	Constitution of	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1.7		EC @ 340 ml/200 lit emaw lamda
	) 6		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		♣ In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLEGE ITEMS	dang te paihpaih vek tur ani.
	- 1		♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMMON CO.	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun		✓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		3 7 6 1	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		( -9 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 2	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		-	3   P a g e

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

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

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

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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	V C WOOM	1	1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	GO )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	8			ani.
	3	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	4	AVZAVA	CH	AMPA
FISHERI	Monitoring	A CONTRACTOR OF THE PARTY OF TH		Canaba to hi above a house trai la
	Monitoring	}	_	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)		-	a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turin
	1		1	hmun ro leh uap lutuk lo ah dahthat
	-	SERCH	IIP.	tur ani a, hmuar atang a tur lo inseam
	1	V~1~		thin, aflatoxin avang a sangha thi lak
	(			atangin sangha a him phah thin.
			4	Dil sah kang veka sangha man thin
	Ji.	1	-	hian a kumleh a sangha khawinan a dil
	1	MINISTER		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	182	phoro, chinai phul, leitha hman leh tul
			12	dang in dil buatsaih tur ani.
		5	-	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
	}	2	1	chuan mithiam te rawn vat a, diltui
	1	700	8	enfiah vat tur ani.
		1 61 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	4	1
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SAIHA

LAWNGTLAL

CHAMPAI

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

Date of issue: 23th March, 2018 Bulletin No: - 778/2018/ Bulletin/English

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	75	63	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)Mamit-8.10mm

(33.14mm)Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):15-16°C Maximum RH (%):63-74% Minimum RH (%):41-49%

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

Rainfall: 00.0 mm

Weather forecast valid from 24th March, 2018 To 28thMarch, 2018.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 18-19°C. Maximum relative humidity is expected in the range of 63-85% and minimum may from 25-42%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 13.0 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	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		4 Application of split dose of fertilizer 600:			
			200:100 (g/pt).			
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
	3	and Dieback	protect healthy plant from soil borne			
	2.7	and Dieback	disease.			
PLANTATION CR						
COFFEE	Blooming		♣ If day temperature and prolong dry			
	stage	130	spell occur it lead to Floral			
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			
		1	♣ Irrigation of plants at alternate day's			
		Laurence	interval, 6 weeks before harvesting			
		LAWNGTLAL	in an			
		( SAINA	development, and reduces fruit			
			cracking and improves the fruit quality.			
			♣ Mulching should be done with dry			
		6 1	2   D o o o			
2   P a g e						

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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND I	PULSE CROPS		
Maize (Jhum)	Land preparation	LAWNGTLAL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>

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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		5	١.	morning hours to avoid shattering.
blackgram	1	1	*	As the plants are intertwined, harvest
		7 )		the crop by rolling the plants in small patches.
		KOLASIB	: 4	Sundry properly to avoid pulse beetle
	(	l. (	3	attack.
	)	60°y )	4	Keep dry neem leaves to avoid pulse
	>			beetle attack.
Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT		٠.	morning hours to avoid shattering.
Jhum	T inscorns	\(	,*	As the plants are intertwined, harvest the crop by rolling the plants in small
	3	A ATZAVVIL	C	patches.
	1	1	4	Sundry properly to avoid pulse beetle
	\.	S		attack.
	1	1 500	4	Keep dry neem leaves to avoid pulse
	) 6		-	beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Toria	stage	SERCHN	ΙĖ	cent of the siliqua turn white and
	1	V~ 1~		during morning hours to avoid shattering.
	(		4	As the plants are intertwined, harvest
	1			the crop by rolling the plants in small
	-			patches.
		LUNGLEL	4	Sundry properly to avoid fungus attack.
VEGETABLE CRO			-	Manual 1 1 1
Ginger and	Harvesting	5	-	Turmeric and ginger is harvested when leaves start yellowing and ultimately
turmeric	stage	1		the stem dries down.
			4	The plants are-cut close to the ground.
				The crop is irrigated lightly for easy
		1 -3		digging.
			4	Harvesting consists of digging of
		LAWNGTLAL		underground clumps of rhizomes
		# SAIHA	,	with pick axe or digging fork.
		1	-	Fingers are separated from mother rhizomes.
		1	-	Wash clumps of rhizomes with water
		2	1	ozdanje oz zamodnos with water

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			and keep it for sundry.
			♣ Seed stock will be store from partially
			dry sample.
			<b>♣</b> Cut the rhizome to small pieces for
	) [	2	proper drying.
Cole crop	Harvesting	V comments V	♣ According to forecast and past weather
_	stage	KOLASIB	record, there is no probability of
		En S	rainfall. So weekly twice irrigation is
	1	7	required for upcoming week or use
	)		straw mulch reduces soil water loss.
	)	5	♣ Harvest all mature cards.
	1	5	→ Don't spray any kind of pesticide to the
	(2)		crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
	formation	AIZAWL I	due to non availability of rain.
	stage	Annestone:	4 Intercultural operations should be
	7	)	done regularly to keep the crop free
	1	6 /	from weeds and better growth of bulb.
	1		Remaining quantity of nitrogen is
	1 6		applied 30-40 days after transplanting.
			Provide irrigation if water is require.
	5	SERCHN	Low temperature and high humidity
	1	V~ }	influence the population of onion trips.
			Apply any systemic insecticide 1.5
French bean	Uomrosting		ml/lt of water.  Harvest the crop when about 80 per
French bean	Harvesting		cent of the pods turn brown and during
	stage	LUNGLEI	morning hours to avoid shattering.
		CONGLET	♣ Keep dry neem leaves to avoid pulse
			beetle attack.
		m Em	♣ Keep 25% of seed lot for next year.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage		regularly to keep the crop free from
		3	weeds and aeration of the root system.
	1	1 -3	4 Harvest all mature fruits.
		N	4 Provide irrigation if water is require.
		LAWNGTLAN	♣ Apply any systemic insecticide to
		SAIHA	reduce damage of chilli thrips.
Brinjal	Fruiting to		♣ According to forecast and past weather
	flowering	Y	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		1/1/	5   P a g e
		-	Jiago

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	1	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension</li> </ul>
Potato	Harvesting stage	LAWNGTLAUS	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
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	5		<ul> <li>spade, harvest all mature tubers.</li> <li>Discard all mother tubers from harvested potato tubers.</li> <li>Keep 7 -10 days for drying or reduce the moisture level in shed dry.</li> <li>Keep 25% seed for next season sowing.</li> </ul>
Cowpea	Sowing stage	LA COLASIB	<ul> <li>Plough the field properly, at least 2-3 times.</li> <li>Mix fertilizer with FYM 50:60:60Kg /ha.</li> <li>Sow 2-3 seed per whole.</li> <li>Spacing should be 30 X 20 cm.</li> </ul>
Okra  ANIMAL HUSBE	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 45 X 45 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> <li>Provide fertilizer @ 120: 60: 60 Kg/ha</li> </ul>
Pig	All stages		4 Animals must keep in dry place or
		LUNGLEI	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)  1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	The daming of positive pige of pigiotes.
	'	SAIHA	

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Cattle	All age group		♣ In present weather conditions, special
Cattle	im ago group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	1. 1	5	wounds followed by application of
	1 1	( )	antibiotics for five days is advised.
		KOLASIB	
	1	1	Provide UMB/Molases if possible in the
	)	LA 1	feed
	(	3 4 6	Provide 10-30 ml of vitamin B-Complex
	7		in feed
	/	7	\$\bigs\ 1st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1st injection
	×	(	followed by annual vaccination under
	/ MAMIT	3	vet supervision.
	5	AIZAWL	Separate sick animals.
	1	Consumer 1	4 The animal should be washed with
	1	5	lukewarm water added with little
	1	5	potash (KMnO4) or neem leaves.
	1	1 1	♣ Long hair near the
	1		udder/stomach/back legs should be
	A S		teamed short.
Poultry	All age group	- AFRANIA	Provide preventive dose of anti-coccidial
		SERCHN	drugs to poultry.
			♣ Proper ventilation of shed.
	-		♣ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		A distance was	4 Avoid overcrowding.
		LUNGLEI	Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
		- 5	recommended doses.
	- 7	FL /	<ul><li>♣ Vaccination as per the schedule with</li></ul>
	/		proper consultation with vet.
	N.	1 7 6	CALT T
			Day old chick: HVT Marek disease
		-	vaccine, 4-7 days: ¬F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAU	vaccine, 35 days: F/Lasota, 6-7
		# SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
		1	RD R-2B strain.
			Remove wet litter.
		CA CA	

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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LAWNGTLAL

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District: Lunglei Period: 24 March - 28 March, 2018

Bulletin No: - 778/2018/ Bulletin/Mizo

	- A	P	(		
Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	75	63	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)

(33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

Mamit-8.10mm

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C

Minimum Tem. (°C):15-16°C Maximum RH (%):63-74%

Minimum RH (%):41-49%

Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

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

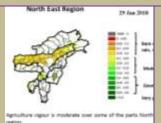
(17.83mm)

Date of issue: 23th March, 2018

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 63-85% leh a hniam lai berin 25-42% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 13.0mm

**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	A 1 14 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Homostina Store
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	1	6	♣ A rah hmin tha lo ho chu nuai sawm
		_0 3	hmain an thliar hrang leh vek thin ani.
	land.	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Ex.	Hmaih neih nuaih loh tur ani.
	)	7	4 Sneg hmaih te lakkhawma paih vek tur
	)		ani.
	)		Seng bang zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek tur ani.
	MAMME		Hmun dam lutukah dah loh tur.
	2 10000000	1	Boruak tha taka a hmuh theih nan leh a
	30	A AIZAWL	rawn chawr no theih nan thlai chu uluk
	1	2 4	tak a hlawi tur ani.
	)	2	Chuan hei hian kah tur ani. Quinalphos 25
	40	1 6 6	EC @ 340 ml/200 lit emaw lamda
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	2		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 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		1000	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-
		THE AND THAT IS	monsoon) ah kah chhunzawm tur ani.
CEREALS AND F		244	
Rabi Maize	A chin hun 🤍	n to	→ Vaimim chinna tur atan lei kan let
		1 1	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		1 6 4	4 A chi chu kan lei leh saah chuan kan
		(	dah ang.
		Compression - married and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		N 72 1	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		1/1/	3   P a g e

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 20 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the same of the same	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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

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

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			4	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,
	2.1	1	_	an chaw eitur thlak sak thut loh tur
	1	V V		ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	(	3 4 /		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	7		١.,	ani.
	1	Ath 1		B complex with antibodies
	J	4 <sup>th</sup> weeks	*	Coccidiosis- Amprolium or
	7 MAMIE	4 Fth TT - 1		coccidiostat
	7. 0000000	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	5	( AIZAWIL.	GH	AMPAI }
	Monitoring	5	+	Sangha te hi chaw a hmuar kai lo
	(Sangha	8 8 7		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
			4	a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin
	1)		_	hmun ro leh uap lutuk lo ah dahthat
		SERCHN	IP.	tur ani a, hmuar atang a tur lo inseam
	-	V Long		thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	4		+	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	00	buatsaih a ti awlsam a, dil mawng
	3		J	phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.
		500	1	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
	1		1	chuan mithiam te rawn vat a, diltui
		7 1		enfiah vat tur ani.
	N .	1 55 4	4	A ranglam a chinai @50kg/ha leh
		1	186	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAN		sangha natna avang a thi tur lak
		SAIHA		atangin a veng thei.
				لي-
			-	7
		126		

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SAIHA

LAWNGTLAL

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Mamit Period: 24 March - 28 March, 2018

Date of issue: 23th March, 2018 Bulletin No: - 778/2018/ Bulletin/English

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	85	73	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	3	3	4	5	4
*Wind Direction	N-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Champhai- 3.60mm Aizawl- 5.40mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm)Mamit-8.10mm

(33.14mm)Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):20-21°C Maximum RH (%):68-72% Minimum RH (%):38-51%

Wind Direction: Southeasterly

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

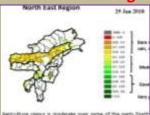
Rainfall: 00.0 mm

Weather forecast valid from 24th March, 2018 To 28thMarch, 2018.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 18-19°C. Maximum relative humidity is expected in the range of 67-85% and minimum may from 25-42%. Wind direction would be northeasterly to southeasterly with the wind speed of 3-5 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 13.0 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	)	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	dementary 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.
		SERCHH	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
	100	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
		4 (	2   P a g e

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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND	PULSE CROPS		
Maize (Jhum)	Land preparation	LAWNGTLAL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>

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Zero tillage Greengram	Harvesting stage	Zero tillage	4	Harvest the crop when about 80 per cent of the pods turn brown and during
and blackgram		KOLASIB	\ <u>+</u>	morning hours to avoid shattering. As the plants are intertwined, harvest the crop by rolling the plants in small patches. Sundry properly to avoid pulse beetle attack. Keep dry neem leaves to avoid pulse beetle attack.
Zero tillage Soybean cultivation in	Harvesting stage	Zero tillage		Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering.
Jhum	( MAMIT	AIZAWL	Ġ	As the plants are intertwined, harvest the crop by rolling the plants in small patches. Sundry properly to avoid pulse beetle
	1	N		attack.  Keep dry neem leaves to avoid pulse beetle attack.
Zero tillage Toria	Harvesting stage	Zero tillage	i F	Harvest the crop when about 80 per cent of the siliqua turn white and during morning hours to avoid shattering.  As the plants are intertwined, harvest the crop by rolling the plants in small patches.
		LUNGLEL	4	Sundry properly to avoid fungus attack.
VEGETABLE CRO				
Ginger and turmeric	Harvesting stage	LAWNGTLANSAIHA	++ +	Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.  The plants are-cut close to the ground. The crop is irrigated lightly for easy digging.  Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork.  Fingers are separated from mother rhizomes.  Wash clumps of rhizomes with water

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			and keep it for sundry.
			♣ Seed stock will be store from partially
			dry sample.
			<b>♣</b> Cut the rhizome to small pieces for
	3 1	1 2	proper drying.
Cole crop	Harvesting	V commence V	♣ According to forecast and past weather
•	stage	KOLASIB	record, there is no probability of
	Stuge	F	rainfall. So weekly twice irrigation is
	1	W 1	required for upcoming week or use
	)		straw mulch reduces soil water loss.
	)	STATE	♣ Harvest all mature cards.
		5	♣ Don't spray any kind of pesticide to the
	2		crop which creates more health hazard.
Onion	Bulb AMIT	Poly house	♣ Provide irrigation every alternate day
	formation	AIZAWL	due to non availability of rain.
	stage	danesane:	4 Intercultural operations should be
	٢	j )	done regularly to keep the crop free
	45		from weeds and better growth of bulb.
	1		Remaining quantity of nitrogen is
	1 6		applied 30-40 days after transplanting.
	30		Provide irrigation if water is require.
		SERCHN	Low temperature and high humidity
	)	V~	influence the population of onion trips.
	1		4 Apply any systemic insecticide 1.5
			ml/lt of water.
French bean	Harvesting		Harvest the crop when about 80 per
	stage	MEMBER	cent of the pods turn brown and during
		LUNGLEI	morning hours to avoid shattering.
	1		Keep dry neem leaves to avoid pulse beetle attack.
	-	- E	♣ Keep 25% of seed lot for next year.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
Capsicum	fruiting stage	Toly House	regularly to keep the crop free from
	multing stage		weeds and aeration of the root system.
	N N	1 -9	Harvest all mature fruits.
		1	Provide irrigation if water is require.
		LAWNGTLANS	♣ Apply any systemic insecticide to
		PARIL	reduce damage of chilli thrips.
Brinjal	Fruiting to	( SAIIIA	♣ According to forecast and past weather
	flowering		record, there is no probability of
	stage	1 2 1	rainfall. So weekly twice irrigation is
			5   D 0 0 0
		4	5   P a g e

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	3	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension</li> </ul>
Potato	Harvesting stage	LAWNGTLAUSAIHA	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
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			spade, harvest all mature tubers.  I Discard all mother tubers from
		5	harvested potato tubers.
	1	1	♣ Keep 7 -10 days for drying or reduce
	1 1	5	the moisture level in shed dry.
Co	Coming store	KOLASIB	♣ Keep 25% seed for next season sowing.  ♣ Player the field properly at least 2.2
Cowpea	Sowing stage		Plough the field properly, at least 2-3 times.
	)	WAY )	Mix fertilizer with FYM 50:60:60Kg
	8	2 1	/ha.
	5	The second second	Sow 2-3 seed per whole.
			♣ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	MAMIT	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	5	in nursery bed.	♣ Before sowing seed provide one or two
	Y	Provide	irrigation.
	1	irrigation in	♣ Provide fertilizer @ 120: 60: 60 Kg/ha
	4.5	transplanted	1
	- /	okra field.	
ANIMAL HUSBI	ENDARY		
Pig	All stages		♣ Animals must keep in dry place or
_		SERCHN	kept in aneviated area and dry bedding
	l l		(straw) to be provided to young
			animals.
		0.0	1st injection at 6 months of age and
			2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3	The second secon	vet supervision against FMD.  Reduce concentrate diet up to 5%.
	200	500	Provide adequate potable water.
	- 7	11 / 2	In present weather conditions
			vaccinate against swine fever (Vaccines
		100	available in State Veterinary Departs)
	1	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	7
		Syndrome (PRRS).	
		SAIHA	

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Cattle	All age group		4	In present weather conditions, special
				care should be taken against attack of
				maggots in the wounds of animals.
	( )	/		Application of turpentine oil in the
	) (	- 3		wounds followed by application of
	1	Variation (		antibiotics for five days is advised.
	1	KOLASIB	+	Provide UMB/Molases if possible in the
	1	LA S		feed
	/		+	Provide 10-30 ml of vitamin B-Complex
	7		_	in feed
	1	5 6	+	1st injection at 6-8 weeks of age, 2nd
	1			injection after 6 months of 1st injection
	3			followed by annual vaccination under
	/ MAMIT	1	-	vet supervision.
	§	AIZAWL I	at.	Separate sick animals.
	)	A CONTRACTOR OF THE PARTY OF TH	*	The animal should be washed with
	1	) )		lukewarm water added with little
	160	6. 6. 6.		potash (KMnO4) or neem leaves.
	- 1		-	Long hair near the
	1 6			udder/stomach/back legs should be teamed short.
Doulter	All ogo grava		4	Provide preventive dose of anti-coccidial
Poultry	All age group	SERCHN	P	drugs to poultry.
	1	V	4	Proper ventilation of shed.
			Ĭ.	Provide glucose/electral along with
	1		Ū	vitamin supplements (@5- 6ml/100
			-	birds) with adequate potable water
		LUNGLEI	4	Avoid overcrowding.
	7	FARGET.	4	Provide broad-spectrum antihelminthic
			-1	drugs under vet supervision and
	1	n ?	-	recommended doses.
			4	Vaccination as per the schedule with
	(	Vi Si	3	proper consultation with vet.
	į		9	Day old chick: HVT Marek disease
	N.	) 55	3	vaccine, 4-7 days:¬ F/Lasota, 14-18
			189	days: Intermediate plus/IBD
		LAWNGTLAN		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
		( SAITA		fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
		Co. Co.	N. I	

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB ♣ 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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SAIHA

LAWNGTLAL

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

Bulletin No: - 778/2018/ Bulletin/Mizo

	1. 1	P	5		
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Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

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Date of issue: 23th March, 2018

(33.14mm)

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Lunglei-4.30mm (23.30mm)

Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

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

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):20-21°C Maximum RH (%):68-72% Minimum RH (%):38-51% Wind Direction: Southeasterly

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

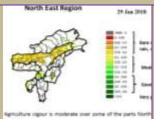
Rainfall: 00.0 mm

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 67-85% leh a hniam lai berin 25-42% ni tur a rin niin. Thli hi darkar khatah 3-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

(17.83mm)

Weekly cumulative rainfall: 13.0mm

**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	<ul> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul>
BANANA STAR FRUIT	]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	Y	)	7
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		-
COFFEE	All stages	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	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 (~	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	Į.		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			<b>1</b> 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAN	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

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

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

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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	1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	GPy )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	5			ani.
	)	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. MAMIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	3 64		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI			a phoro phawt tur ani.
	3 (		4	Sangha chaw hi a hmuar lohna turin
	1			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
		V		thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 4		4	Dil sah kang veka sangha man thin
			-	hian a kumleh a sangha khawinan a dil
		LUNGLEI	0.0	buatsaih a ti awlsam a, dil mawng
	3	THE PERSON NAMED IN COLUMN 1	1	phoro, chinai phul, leitha hman leh tul
	201	Ent.		dang in dil buatsaih tur ani.
		17 ( )	1	Sangha te natna lak atangin an him em
	)		(0	tih enfiah fo a tha a, natna hmuh anih
	(	19 20		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			1	A ranglam a chinai @50kg/ha leh
		30	3	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	1	5 5
				C-1
			1	2
		N 1	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 24 March - 28 March, 2018

Date of issue: 23th March, 2018 Bulletin No: - 778/2018/ Bulletin/English

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	18	17	21	20	20
Cloud Coverage	Clear sky	Mainly clear	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	68	69	70	84	85
Min RH (%)	29	21	30	38	39
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm Saiha- 0.00 mm (13.99mm)

Kolasib- 7.60mm

(20.78mm)

Lunglei-4.30mm

(18.29mm)

(33.14mm)Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

(23.30mm)

Mamit-8.10mm (17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):24-25°C Minimum Tem. (°C):15°C Maximum RH (%):65-72% Minimum RH (%):38-48% Wind Direction: Southeasterly

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

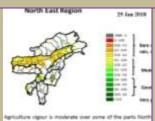
Rainfall: 00.0 mm

Weather forecast valid from 24th March, 2018 To 28thMarch, 2018.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 17-21°C. Maximum relative humidity is expected in the range of 68-85% and minimum may from 21-39%. Wind direction would be easterly with the wind speed of 4 km per hour. Mainly clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 13.0 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	1		rainfall. So weekly irrigation is required		
LIME	)	W/ )	for upcoming week or use straw mulch		
STAR FRUIT	8		reduces soil water loss.  4 Pruning should involve removing		
SIAK FROIT	5	Same	♣ Pruning should involve removing unhealthy, unwanted and poorly		
		5	positioned branches but minimise the		
PLUM AND	2		loss of healthy foliage.		
PEACH	/ MAMIT	)	The best time to prune is soon after		
	§ .	Z AIZAWL Z	harvest in winter to early spring before		
	1	Annual Control	bud break. For late varieties where two		
	)(	1	crops may hang on the tree at once		
	1	1 64	some of the new crop may be lost.		
	1		Use Bordeaux paste or insecticide paste		
			mixture to reduce the damage of white		
	1	SERCHN	ant upto 4 feet height.  Apply Bordeaux mixture to the plant after		
		SERUM	pruning.		
	9		♣ Application of split dose of fertilizer 600:		
		-	200:100 (g/pt).		
	130	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		
	17	and Dieback	protect healthy plant from soil borne disease.		
PLANTATION CR	OP	C.C.	шосаяс.		
COFFEE	Blooming	3	♣ If day temperature and prolong dry		
	stage	( 19 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		
		LAWNGTLAN	interval, 6 weeks before harvesting improves fruit retention and fruit		
		# SAIHA	development, and reduces fruit		
			cracking and improves the fruit quality.		
			# Mulching should be done with dry		
		6 1	)		
2   P a g e					

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	5	KOLASIB	grasses near the tree base to conserve soil moisture during winter.  The young fruit plant must be irrigated at weekly interval for better establishment.  Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA.	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Strawberry	Harvesting stage	LUNGLEI	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Harvest all mature fruits or partially matured fruit.</li> <li>Periodical harvest must be done once in a week</li> <li>Conserve sucker with periodical irrigation.</li> </ul>
CEREALS AND	PULSE CROPS		
Maize (Jhum)	Land preparation	LAWNGTLAL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>

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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		1		morning hours to avoid shattering.
blackgram	1	1	-	As the plants are intertwined, harvest
	1 1	7		the crop by rolling the plants in small patches.
		KOLASIB		Sundry properly to avoid pulse beetle
	(		3	attack.
	)	Wy )	4	Keep dry neem leaves to avoid pulse
	3			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT			morning hours to avoid shattering.
Jhum	7 instanti	\(	. *	As the plants are intertwined, harvest the crop by rolling the plants in small
	3	( ATZAVVIL.	G.	patches.
	1	1	4	Sundry properly to avoid pulse beetle
	\.	S		attack.
	1	1 50	4	Keep dry neem leaves to avoid pulse
	1 6		-	beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Toria	stage	SERCHN	Ι÷	cent of the siliqua turn white and during morning hours to avoid
	1	V		shattering.
	5		4	As the plants are intertwined, harvest
	4			the crop by rolling the plants in small
				patches.
TIPODE A DI DI CO		LUNGLEI	+	Sundry properly to avoid fungus attack.
VEGETABLE CRO			4	Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting stage	m Em	-	leaves start yellowing and ultimately
Curmenc	stage			the stem dries down.
		( S S )	4	The plants are-cut close to the ground.
				The crop is irrigated lightly for easy
		-5		digging.
			+	Harvesting consists of digging of
		LAWNGTLAN		underground clumps of rhizomes
		SAIHA	4	with pick axe or digging fork. Fingers are separated from mother
				rhizomes.
		1		Wash clumps of rhizomes with water
		6 6	VI.	•

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			and keep it for sundry.
			♣ Seed stock will be store from partially
			dry sample.
			<b>♣</b> Cut the rhizome to small pieces for
	) [	2	proper drying.
Cole crop	Harvesting	V comments V	♣ According to forecast and past weather
-	stage	KOLASIB	record, there is no probability of
		En S	rainfall. So weekly twice irrigation is
	1	7	required for upcoming week or use
	)		straw mulch reduces soil water loss.
	)	5	♣ Harvest all mature cards.
	1	5	♣ Don't spray any kind of pesticide to the
	(2)		crop which creates more health hazard.
Onion	Bulb	Poly house	♣ Provide irrigation every alternate day
	formation	AIZAWL I	due to non availability of rain.
	stage	Annestone:	4 Intercultural operations should be
	7	)	done regularly to keep the crop free
	1	6 /	from weeds and better growth of bulb.
	1		Remaining quantity of nitrogen is
	1 6		applied 30-40 days after transplanting.
			Provide irrigation if water is require.
	5	SERCHN	Low temperature and high humidity
	1	V~1_	influence the population of onion trips.
			Apply any systemic insecticide 1.5
French bean	Uomrosting		ml/lt of water.  Harvest the crop when about 80 per
French bean	Harvesting		cent of the pods turn brown and during
	stage	LUNGLEI	morning hours to avoid shattering.
		CONGLET	♣ Keep dry neem leaves to avoid pulse
			beetle attack.
		m Em	♣ Keep 25% of seed lot for next year.
Capsicum	Flowering to	Poly house	♣ Intercultural operations should be done
	fruiting stage		regularly to keep the crop free from
		3 1 3 5 1	weeds and aeration of the root system.
	1	J 23 7	♣ Harvest all mature fruits.
			4 Provide irrigation if water is require.
		LAWNGTLAN	♣ Apply any systemic insecticide to
		SAIHA	reduce damage of chilli thrips.
Brinjal	Fruiting to		♣ According to forecast and past weather
	flowering	Y	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		1 1	5   P a g e
		34	JIIage

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		KOLASIB	required for upcoming week or use straw mulch reduces soil water loss.  Harvest all mature fruits.  Apply split dose of nitrogenous fertilizer to the plant.  Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.  Harvest all mature fruit.  Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
Tomato	Harvesting stage	SERCHH	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
	3	Bacterial wilt  Fruit fly	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> <li>To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension</li> </ul>
Potato	Harvesting stage	LAWNGTLAL	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.  If the leaves and plant became dry it means plant ready for harvesting.  Open the furrow with the help of
	1	111	6   Page

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	5		<ul> <li>spade, harvest all mature tubers.</li> <li>Discard all mother tubers from harvested potato tubers.</li> <li>Keep 7 -10 days for drying or reduce the moisture level in shed dry.</li> <li>Keep 25% seed for next season sowing.</li> </ul>
Cowpea	Sowing stage	LA (	<ul> <li>Plough the field properly, at least 2-3 times.</li> <li>Mix fertilizer with FYM 50:60:60Kg /ha.</li> <li>Sow 2-3 seed per whole.</li> <li>Spacing should be 30 X 20 cm.</li> </ul>
Okra ANIMAL HUSBI	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	<ul> <li>Plough the field with the help of spade.</li> <li>Sow 2 seed 45 X 45 cm spacing.</li> <li>Before sowing seed provide one or two irrigation.</li> <li>Provide fertilizer @ 120: 60: 60 Kg/ha</li> </ul>
Pig	All stages	LUNGLEI	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.

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Cattle	All age group		4	In present weather conditions, special
				care should be taken against attack of
				maggots in the wounds of animals.
	( )	6		Application of turpentine oil in the
	1 /	- 3		wounds followed by application of
	1	Variation (		antibiotics for five days is advised.
	1	KOLASIB	+	Provide UMB/Molases if possible in the
	1	LA S		feed
	/		+	Provide 10-30 ml of vitamin B-Complex
	7		_	in feed
	7	5 6	+	1st injection at 6-8 weeks of age, 2nd
	1			injection after 6 months of 1st injection
	R manual			followed by annual vaccination under
	MAINIT	1		vet supervision.
	9	Z AIZAWL Z	ail.	Separate sick animals.
	7	A COLUMN TO THE PARTY OF THE PA	+	The animal should be washed with
	)	)		lukewarm water added with little
	46	8 7		potash (KMnO4) or neem leaves.
	- /		*	Long hair near the
	1 6			udder/stomach/back legs should be
D14	A11		_	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial drugs to poultry.
	1	V	4	Proper ventilation of shed.
			1	Provide glucose/electral along with
	1	100	Ī	vitamin supplements (@5- 6ml/100
				birds) with adequate potable water
		LUNGLEI	4	Avoid overcrowding.
		CONGCEL	4	Provide broad-spectrum antihelminthic
			-7	drugs under vet supervision and
		m 800	1	recommended doses.
			4	Vaccination as per the schedule with
	1	The second	X	proper consultation with vet.
			9	Day old chick: HVT Marek disease
	1	1 -3 4	- 5	vaccine, 4-7 days:¬ F/Lasota, 14-18
		1	16	days: Intermediate plus/IBD
		LAWNGTLAL		vaccine, 35 days: F/Lasota, 6-7
		And the second s		weeks: Chicken embryo adopted
		SAIHA		fowl pox vaccine and 56-70 days:
				RD R-2B strain.
		V sa V	4	Remove wet litter.
		to local	(1)	

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB ♣ 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 24 March - 28 March, 2018

Bulletin No: - 778/2018/ Bulletin/Mizo

Date of issue: 23th March, 2018

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	18	17	21	20	20
Cloud Coverage	Clear sky	Mainly clear	Clear sky	Partially clear	Mainly cloudy
Max RH (%)	68	69	70	84	85
Min RH (%)	29	21	30	38	39
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm) Mamit-8.10mm (33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

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

Maximum Tem. (°C):24-25°C Minimum Tem. (°C):15°C Maximum RH (%):65-72% Minimum RH (%):38-48% Wind Direction: Southeasterly

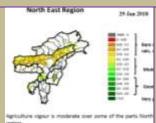
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 17-21°C ni tura beisei a ni. RH san lai berin of 68-85% leh a hniam lai berin 21-39% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 13.0mm

**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	A 1 14 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	{ MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
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.
	(	L. C	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanta	1	Hmun dam lutukah dah loh tur.
	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.
	1	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	160	1 - 1	EC @ 340 ml/200 lit emaw lamda
	- /		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	Α	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	DILL 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
		2 1 3 3	a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		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
		to C	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		1 1 1	3   P a g e

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	m )	♣ Lei rih vur hian thlai kung te a veng ve
and black	3		ani.  4 Thlasik lai a lei khoro lutuk tur ven
gram cultivation in	-	5	nan a chungah hnim leh thildanga
rice fellow	3 MANUT		khuh tur ani.
Potato	Sowing stage	AIZAVA	♣ Muangchang loving alu chin na tur
	1	Concerne:	chu buatsaih vat tur ani.  Hei hian a than hun laiin natna hrikin
	(	3	lakah a veng dawn ani.
	1	1 1	Lei leh hmain a hmun hma chu fai
	3 6		taka thlawh hmasak tur ani.  A chi thlak hma in a chi chu en fiah
	)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	V	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		hmunah chuan natna an kai hma bik ani.
	1	- Ex	Tomato hi a uai a, a thih mai loh nan
		11	Ridomil emaw Indofil emaw Mancozeb
		( 4 2 )	@ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole	Black spot		4 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
_		LAWNGTLAL	Thlai bul vawn hnawn nana thlai bula
		SAIHA	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		(	♣ Zikhlum lam chi ah chuan sik leh  • • • • • • • • • • • • • • • • • • •
		1	sa vangin a hnah ah thil dum rawn
		and the state of	

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

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

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

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 24 March - 28 March, 2018

Bulletin No: - 778/2018/ Bulletin/English Date of issue: 23th March, 2018

Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	75	63	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm C

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(18.29mm) Mamit-8.10mm (33.14mm) Serchhip-4.10mm

Lawngtlai-4.00mm (19.52mm)

Lunglei-4.30mm (23.30mm)

(17.83mm)

(14.39mm)

Weather summary of the past three days

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):16-18°C

Maximum RH (%):64-75% Minimum RH (%):38-48%

Wind Direction: Southeasterly

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

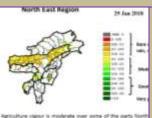
Rainfall: 00.0 mm

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

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 18-19°C. Maximum relative humidity is expected in the range of 63-85% and minimum may from 25-42%. Wind direction would be easterly to southeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 13.0 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	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		4 Application of split dose of fertilizer 600:
			200:100 (g/pt).
	1	Gummosis, citrus canker,	Due to low temperature and humidity disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
	3	and Dieback	protect healthy plant from soil borne
	2.7	and Dieback	disease.
PLANTATION CR			
COFFEE	Blooming		♣ If day temperature and prolong dry
	stage	130	spell occur it lead to Floral
	l l	1 6 3	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.
		1	♣ Irrigation of plants at alternate day's
		Laurence	interval, 6 weeks before harvesting
		LAWNGTLAL	in an
		( SAINA	development, and reduces fruit
			cracking and improves the fruit quality.
			♣ Mulching should be done with dry
		6 1	2   D o o o
		4 (	2   P a g e

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			grasses near the tree base to conserve
			soil moisture during winter.
	The second second		♣ The young fruit plant must be irrigated
			at weekly interval for better
	3. 4	2	establishment.
	1	7	♣ Foliar application of Mepiquat chloride
		KOLASIB	@ 1000 PPM concentration or 0.75%
	(		SSP @ 1.5 g per 200 lt of water 15 days
	)	LA N	interval.
Dubbon	77	1 1	♣ According to forecast and past weather
Rubber	Vegetative	the said of	
	stage	7	record, there is no probability of
	1		rainfall. So weekly irrigation is required
	Same		for upcoming week or use straw mulch
	) MAMIT	7	reduces soil water loss.
	5	AIZAWL I	Farmers can go for tapping upto last
	1	A STATE OF THE STA	week of January.
	1	j y	♣ Make fire line around the field to save
	1	1	from fire.
	1	1 55	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	) 6		between 4 plants. Store dried leaves in
	170 1		the pit and after 4 months it can use as
		SERVIN	manure.
Strawberry	Harvesting	SEROIN	Possibility of rain will be very less. So
	stage		provide water every alternate day.
	500.89		♣ Harvest all mature fruits or partially
	- 1		matured fruit.
	1		♣ Periodical harvest must be done once in
		LUNGLEI	a week
	)	######################################	<b>♣</b> Conserve sucker with periodical
	100		irrigation.
CEREALS AND I	PULSE CROPS		
Maize	Land		♣ Remove all weed plant from the
(Jhum)	preparation	C Si Si	selected place.
(	F - F	2 1 1 1	♣ Keep the plant, leaves and wood for
	1	) 55 Y	dry.
			Burn it when it will be dry.
		L. AMBRETT AND	♣ Open a furrow with the help of
		LAWNGTLAN	chimkhawi.
		SAIHA	★ Keep 4-5 seeds a hole.
			Distance should be maintain 60 cm
		4	from plant to plant.
	l	6 1	

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Zero tillage	Harvesting	Zero tillage	4	Harvest the crop when about 80 per
Greengram	stage			cent of the pods turn brown and during
and		5		morning hours to avoid shattering.
blackgram	1. 1	1	*	As the plants are intertwined, harvest the crop by rolling the plants in small
		T )		patches.
		KOLASIB	4	Sundry properly to avoid pulse beetle
	(	f. (	3	attack.
	1	W )	4	Keep dry neem leaves to avoid pulse
	>			beetle attack.
Zero tillage	Harvesting	Zero tillage	+	Harvest the crop when about 80 per
Soybean	stage			cent of the pods turn brown and during
cultivation in	MAMIT		_	morning hours to avoid shattering. As the plants are intertwined, harvest
Jhum	7. 17.55			the crop by rolling the plants in small
	3	( AIZAWL )	G:	patches.
	1	1	4	Sundry properly to avoid pulse beetle
	\	S		attack.
	1	1 1/1	4	Keep dry neem leaves to avoid pulse
	1 6	-	_	beetle attack.
Zero tillage	Harvesting	Zero tillage		Harvest the crop when about 80 per
Toria	stage	SERCHN	lF	cent of the siliqua turn white and during morning hours to avoid
	1	V Lag		shattering.
	5	4	4	As the plants are intertwined, harvest
	1			the crop by rolling the plants in small
				patches.
LIEGEWARI E CR	) D	LUNGLEI	+	Sundry properly to avoid fungus attack.
VEGETABLE CRO	Harvesting Harvesting		4	Turmeric and ginger is harvested when
turmeric	stage	m Em	-	leaves start yellowing and ultimately
curinorio	Stuge	1		the stem dries down.
		( la se )	4	The plants are-cut close to the ground.
			4	The crop is irrigated lightly for easy
		-9	-1-	digging.
		The same of the sa	*	Harvesting consists of digging of underground clumps of rhizomes
		LAWNGTLAND		with pick axe or digging fork.
		# SAIHA	4	Fingers are separated from mother
				rhizomes.
		A solution	4	Wash clumps of rhizomes with water
		60 000		

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Cole crop	Harvesting stage	KOLASIB	<ul> <li>and keep it for sundry.</li> <li>Seed stock will be store from partially dry sample.</li> <li>Cut the rhizome to small pieces for proper drying.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature cards.</li> <li>Don't spray any kind of pesticide to the crop which creates more health hazard.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity</li> </ul>
		SERCHH	influence the population of onion trips.  Apply any systemic insecticide 1.5 ml/lt of water.
French bean	Harvesti <mark>ng</mark> stage	LUNGLEI	<ul> <li>Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering.</li> <li>Keep dry neem leaves to avoid pulse beetle attack.</li> <li>Keep 25% of seed lot for next year.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	) o	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is

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			required for upcoming week or use
			straw mulch reduces soil water loss.
			Harvest all mature fruits.
		/	♣ Apply split dose of nitrogenous
		21	fertilizer to the plant.
	1	1	Fruit and shoot borer attack will mare
		KOLASIB	in dry weather. Apply any systematic
	4	Fa.	insecticide for better cure.
	7	60°y	Harvest all mature fruit.
	8	2 1	Seed must be keep for next rabi
	()		season.
Chilli	Vegetative to		♣ According to forecast and past weather
	flowering	1	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	Stage	1	required for upcoming week or use
	1	( AIZAVVL	straw mulch reduces soil water loss.
	- 1	1	♣ Harvest all mature fruits.
	1	3	♣ Apply split dose of nitrogenous
	-	1 500	fertilizer to the plant.
	1	V C	Mature fruit should be harvested and
Tomato	Harvesting		♣ Light irrigation on every alternate day
1011140	stage		may be given for better establishment
	stage	SERCHN	and smooth growth.
	l l		♣ If irrigation is not available keep grass
	-		and dry leaves as mulch.
	1		♣ Harvest all the mature which colour
	- 1		change to pale yellow to red.
		Bacterial wilt	♣ Prevailing weather may conducive for
	7	e-s/Aledanial	blight in Tomato.
	1/2		Cloudy and humid weather is most
	, h	n 2000	favorable for the disease.
			To manage the blight in tomato apply
	8	Var and	Ridomil or Indofil or Mancozeb @ 2 gm
			per liter of water.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LINNAGTINIS	containing sugar or jeggery at 10 g/l at
		LAWNGTLAN	fortnightly intervals at flowering and fruit
		# SAIHA	initiation.
Potato	Harvesting		If the leaves and plant became dry it
	stage	1 = 1	means plant ready for harvesting.
		to C	♣ Open the furrow with the help of

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			spade, harvest all mature tubers.  In the property of the space of the
			harvested potato tubers.
	1	1	♣ Keep 7 -10 days for drying or reduce
	1 1	5	the moisture level in shed dry.
•	0	KOLASIB	Keep 25% seed for next season sowing.
Cowpea	Sowing stage	1	♣ Plough the field properly, at least 2-3
	)	W.	times.  Mix fertilizer with FYM 50:60:60Kg
		1 1	/ha.
	3		Sow 2-3 seed per whole.
	- I		Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	<ul><li>Plough the field with the help of spade.</li></ul>
O III u	MAMIT	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	Z 1000000	in nursery bed.	Before sowing seed provide one or two
	1	Provide Provide	irrigation.
	1	irrigation in	♣ Provide fertilizer @ 120: 60: 60 Kg/ha
	1	transplanted	1
	1	okra field.	
ANIMAL HUSBE	NDARY	onia iiciu.	
Pig	All stages		♣ Animals must keep in dry place or
8	ounger	SERCHN	kept in alleviated area and dry bedding
	1	V	(straw) to be provided to young
	(		animals.
	1		4 1st injection at 6 months of age and
	1		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3	H-1016-1-1-11	vet supervision against FMD.
	3	200	Reduce concentrate diet up to 5%.
	7	77	Provide adequate potable water.
	)		In present weather conditions vaccinate against swine fever (Vaccines
	()	( by 20 )	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1. Caming of positive pigo of pigiets.
		Respiratory	7
		Syndrome (PRRS).	
	•	SAIHA	
		1	and the second s

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Cattle	All age group	17	4	In present weather conditions, special
Cattic	An age group		_	care should be taken against attack of
				maggots in the wounds of animals.
		1		Application of turpentine oil in the
	1. 1	S 3		wounds followed by application of
	1 1	7		antibiotics for five days is advised.
		KOLASIB		Provide UMB/Molases if possible in the
	1	1	1	feed
	)	Lan 1		
	(	3 4 /	-	Provide 10-30 ml of vitamin B-Complex in feed
	7			
	/	7	-	1st injection at 6-8 weeks of age, 2nd
	1	27		injection after 6 months of 1st injection
	Same			followed by annual vaccination under
	) MAMIT	1		vet supervision.
	- N	A AIZAWL I	cil.	Separate sick animals.
	)		-	The animal should be washed with
	Y.	7		lukewarm water added with little
	1	3 6 7		potash (KMnO4) or neem leaves.
			-	Long hair near the
	1 6			udder/stomach/back legs should be
			-	teamed short.
Poultry	All age group	SERCHN	P	Provide preventive dose of anti-coccidial
	1	V~		drugs to poultry.
	{		*	Proper ventilation of shed.
			-	Provide glucose/electral along with
			-4	vitamin supplements (@5- 6ml/100
	16	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,		birds) with adequate potable water
		LUNGLEI	7	Avoid overcrowding.
	3		7	Provide broad-spectrum antihelminthic
		57%	1	drugs under vet supervision and
	. 7	11		recommended doses.
	)		1	Vaccination as per the schedule with
	()	19 8		proper consultation with vet.
	l l		1	Day old chick: HVT Marek disease
		30		vaccine, 4-7 days: ¬F/Lasota, 14-18
			124	days: Intermediate plus/IBD
		LAWNGTLAU		vaccine, 35 days: F/Lasota, 6-7
		SAIHA		weeks: Chicken embryo adopted
				fowl pox vaccine and 56-70 days:
			-	RD R-2B strain.
			+	Remove wet litter.
			100	

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### **FISHERY** Monitoring of ♣ Care should be taken that fish are fed with feed that are free from fungus. If fish in pond the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. KOLASIB ♣ 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 MAMIT for the next cycle by sundrying of bottom. applying lime. manure. fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA

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



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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Serchhip Period: 24 March - 28 March, 2018

Bulletin No: - 778/2018/ Bulletin/Mizo

	1.0	P	4.0		
Parameters	24.03.2018	25.03.2018	26.03.2018	27.03.2018	28.03.2018
Rainfall (mm)	0	0	0	5	8
Max Temp (°C)	31	31	31	32	31
Min Temp (°C)	18	18	18	18	19
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy
Max RH (%)	67	75	63	82	85
Min RH (%)	25	26	25	35	42
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	S-E

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

Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 5.40mm

Champhai- 3.60mm

Saiha- 0.00 mm

Kolasib- 7.60mm

(20.78mm)

(13.99mm)

(23.30mm)

(18.29mm)

(33.14mm)

Lawngtlai-4.00mm

Lunglei-4.30mm

Mamit-8.10mm

Serchhip-4.10mm (14.39mm)

Weather summary of the past three days

(19.52mm)

Maximum Tem. (°C):27-29°C

Minimum Tem. (°C):16-18°C Maximum RH (%):64-75%

Minimum RH (%):38-48% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

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

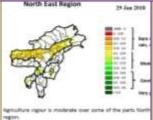
(17.83mm)

Date of issue: 23th March, 2018

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 18-19°C ni tura beisei a ni. RH san lai berin 63-85% leh a hniam lai berin 25-42% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 13.0mm

**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	A 1 14 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	( MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		Harmosting Stage
		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
	-	thin a ni.
( )	6	♣ A rah hmin tha lo ho chu nuai sawm
\ \ \ \ \		hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
7	borer	ani.
4	V.,	Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	1 1	ani.
(C)		♣ Seng bang zawng zawng chu uluka taka
T.	7	paih fai vek tur ani.
	27	♣ A thlai vennan a rah tlai ho chu paih vek
×		tur ani.
j' MAN	11. 1	♣ Hmun dam lutukah dah loh tur.
5	Z AIZAWL Z	♣ Boruak tha taka a hmuh theih nan leh a
	Constant 1	rawn chawr no theih nan thlai chu uluk
1	5	tak a hlawi tur ani.
\	5.	♣ Chuan hei hian kah tur ani. Quinalphos 25
1	1	EC @ 340 ml/200 lit emaw lamda
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
15.		In leh loa sawngbawln a a ro dan tur
7		tawkah chuan: Arabica / robusta
1	SERCH	
	V~	robusta cherry 11.0 %.
3	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
16		Bordeaux mixture 0.5% in February -
0.1		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
SEDEALS AND BUILDE COORS	a marketo-kindi	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		Voiming chings ton stan 1: 1: 1: 1:
Rabi Maize A chin hun	7 17	Vaimim chinna tur atan lei kan let
		phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 6	♣ A chi chu kan lei leh saah chuan kan
	(	dah ang.
	V	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	) SAIHA	
	1	vel viau ani.
		♣ A chi tuh hma in lei leh FYM @5-10
	n n	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh

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	5		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			<b>1</b> 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

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

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

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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.
	Preventive measures	0-3 rd week	.±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	}	4th weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
	T IMPONITE	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	( AIZAWL	CHA	IMPAI }
	Monitoring Sangha nkawl)	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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