

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 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	100	95	100	100	100
Min RH (%)	38	32	28	26	26
Wind Speed (KmpH)	2	3	3	3	3
*Wind Direction	S-E	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- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 18.1mm Champhai- 12.00mm Saiha

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Weather forecast valid from 24th January, 2018 To 28thJanuary, 2018.

Maximum Tem. (°C):20-22°C Minimum Tem. (°C):09-11°C Maximum RH (%):84-89% Minimum RH (%):48-56% Wind Direction: southeasterly

Wind Direction: southeaste Cloud cover: Clear sky Wind speed: 0-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 8-10°C. Maximum relative humidity is expected in the range of 95-100% and minimum may from 28-38%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Segion 19 April 1917

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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	II a mara a tima	S6 30	According to forecast and nest weather
KHASI MANDARIN AND ACID LIME	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	1	3	♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain
STAR FRUIT	& MAMIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH		SERCHI	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	3	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
DI ANNAMION CO		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		ALAMAICH ALAS	A According to forecast and most west-
COFFEE	Fruiting stage	SAIHA	 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.
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			Replanting of new seedling ♣ Medium to young seedling should be
			support by bamboo stake.
			♣ Replace dead plant with young
		2	seedlings.
	1	V comments of	Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	1	En . S	→ Foliar application of Mepiquat chloride
	/	7 4 1	@ 1000 PPM concentration or 0.75%
	7		SSP @ 1.5 g per 200 lt of water 15 days
	1		interval.
			Spray lantana camera leaf paste
	Samuer		around 3 kg/16 lt water which will give
	/ MAMIT	1	effective control against drought condition.
	1	A AIZAWL	
		1	■ Due to high humidity, high temperature and less rainfall in hilly
	1	3	region of the district probability of rust
	4	1 6	will be high. So apply Hexaconazole @ 1
	1	1 3 4	ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
	stage	SERCHN	record, there is no probability of
		SERUMN	rainfall. So weekly irrigation is required
	V.		for upcoming week or use straw mulch
		100	reduces soil water loss.
			Farmers can go for tapping upto last
		MILLIANTIN	week of January. ♣ Make fire line around the field to save
		LUNGLEI	from fire.
	1		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	7	m Em	between 4 plants. Store dried leaves in
		11	the pit and after 4 months it can use as
	(manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	-5	provide water every alternate day.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any
		# SAIHA	sulpher based fungicide to reduce disease incidence.
		(■ Weeding should to do properly with
			proper fertilizer use.
		00	proper fertilizer doc.
		114	3 P a g e

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4 | P a g e

CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation			interval
	stage	6	4	Apply 2% urea solution for better
	1 1	5		growth.
		KOLASIB		Weeding should be carried out.
	- 1	The state of the s	\ +	Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	- 1	1	-	more so apply any contact poison for
	1	5		reducing pest population.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	Stage	100000	2. 4	Collection and destruction of damage
blackgram	4	(ATZAWIL)	i.	plant or plant part and spraying of any
Diackgrain	1	5		systemic insecticide @ 2ml/lit should
	3	S		be done.
	1	1 15	4	Apply 2% urea solution to avoid stress
	0 6			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHN	i÷.	provide water every alternate day.
cultivation in	1		+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should be done.
	1			
	1	LUNGLEL		Apply 2% urea solution to avoid stress condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	Zero tinage		provide water every alternate day.
10114	Stage	m Em	4	Apply split dose of fertilizer for better
		15		growth.
		The second	4	Collection and destruction of Blister
		3		beetles and spraying of Neem oil
		20		@3ml/lit should be done.
			+	Apply split dose of fertilizer for better
		LIMMETTAL		growth.
VEGETABLE CRO		I Ja Senina		
Ginger and	Harvesting	(+	Turmeric and ginger is harvested when
turmeric	stage		-	leaves start yellowing and ultimately
		20	VIII.	the stem dries down.
			7	

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	MAMIT	KOLASIB	 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 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying.
Early cole crop	Vegetative stage	AIZAWL	 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. Intercultural operations should be done regularly to keep the crop free from
Onion	Vegetative stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
		Par	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/lt of water at 10-15 DAS are effective.
French bean	Vegetative stage	LAWNGTLAN	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from
		1 4	5 P a g e

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			weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant	Poly house	♣ Intercultural operations should be done
	stage	5	regularly to keep the crop free from
		KOLASIB	weeds and aeration of the root system. Remaining quantity of nitrogen is
	(applied 30-40 days after transplanting.
)	WAY 3	Provide irrigation if water is require.
Brinjal	Fruiting to		 According to forecast and past weather
	flowering	San Land	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
			required for upcoming week or use
	MAMIT)	straw mulch reduces soil water loss.
	9	A AIZAWL	♣ Interculture operation should be done
	1	A STATE OF THE STA	near to the base of the plant.
)	1	Apply split dose of nitrogenous
Chilli	Vogototiro to		fertilizer to the plant. According to forecast and past weather
Chin	Vegetative to flowering	1 3 3	record, there is no probability of
			rainfall. So weekly twice irrigation is
	stage	SERCHN	
		SERUM	straw mulch reduces soil water loss.
	1		♣ Interculture operation should be done
			near to the base of the plant.
	16		Apply split dose of nitrogenous
		Millionetti	fertilizer to the plant.
Tomato	Transplant	LUNGLEI	Staking should be done.According to forecast and past weather
Tomato	Transplant stage		record, there is no probability of
	Stage	m 85%	rainfall. So weekly twice irrigation is
		11	required for upcoming week or use
	((S S)	straw mulch reduces soil water loss.
		3 () 5 3	⋠ Interculture operation should be done
		-5	near to the base of the plant.
			Fertilizer application in split dose of
		LAWNGTLAN	recommended dose.
		SAIHA	Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or
		Damping on	Trichoderma viride 4g+ metalaxyl 4g
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Potato ANIMAL HUSBEI	Vegetative stage	KOLASIB	+ + +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
Pig	All stages	SERCHH	# + + + + + + + + + + + + + + + + + + +	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)
Cattle	All age group	Porcine Reproductive Respiratory Syndrome (PRRS).	1	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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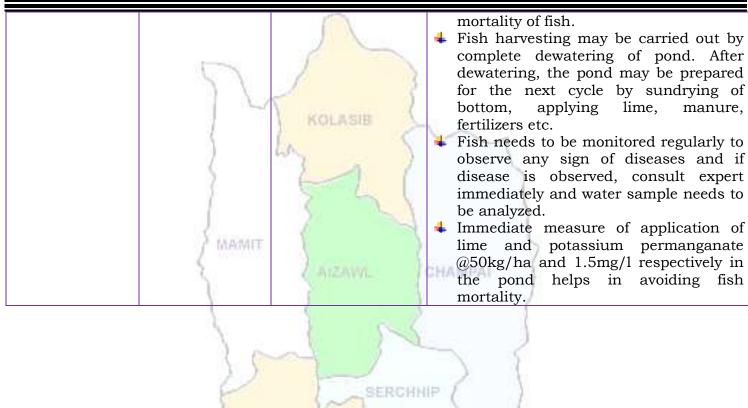
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LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

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

Bulletin No: - 764/2018/ Bulletin/Mizo

	0.00	E.	4.0		
Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
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Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	100	95	100	100	100
Min RH (%)	38	32	28	26	26
Wind Speed (KmpH)	2	3	3	3	3
*Wind Direction	S-E	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- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 12.00mm Aizawl- 18.1mm

Saiha- 13.9 mm Kolasib- 21.4mm (10.0mm)

Date of issue: 23rd January, 2018

(11.6mm)Lawngtlai-06.4mm

(12.1mm)Lunglei-07.4mm

Mamit-24.3mm

(14.4mm)Serchhip-17.7mm

(07.1mm)Weather summary of the past

(08.7mm)24thJanuary - 28th January, 2018 chhunga sik

(09.6mm)

(12.9mm)

three days

leh sa dinhmun tur tlangpui Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 8-100C ni tura beisei a ni. RH san lai berin

Maximum Tem. (°C):20-22°C Minimum Tem. (°C):09-11°C Maximum RH (%):84-89% Minimum RH (%):48-56% Wind Direction: southeasterly

Cloud cover: Clear sky

Wind speed: 0-2 km/hr

95-100% leh a hniam lai berin 28-38% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	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	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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		17	Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
	1. 1	- F 3	hmain an thliar hrang leh vek thin ani.
	1 1	Coffee Bower	4 A hun takah leh fimkhhur taka seng tur
	1 3	Coffee Berry borer	ani.
	1	borer	Hmaih neih nuaih loh tur ani.
)	LA I	♣ Sneg hmaih te lakkhawma paih vek tur
	(3 0 1	ani.
	7		4 Seng bang zawng zawng chu uluka taka
	/	7	paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	K		tur ani.
	/ MAMIT	7	♣ Hmun dam lutukah dah loh tur.
	§ .	AIZAWL I	♣ Boruak tha taka a hmuh theih nan leh a
	1	Communication 1	rawn chawr no theih nan thlai chu uluk
	1	5	tak a hlawi tur ani.
	S	5	Chuan hei hian kah tur ani. Quinalphos 25
	3/	1 1	EC @ 340 ml/200 lit emaw lamda
) 0		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	A S		In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
		armauu.	
	1	SERCHH	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		001100 11110	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-
	1	FARGETT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			
Rabi Maize	A chin hun 🤍	m Em	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	1	V (☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
		7 ()	a pui dawn a ni.
	, A		♣ A chi chu kan lei leh saah chuan kan
		(dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A A	♣ A chi tuh hma in lei leh FYM @5-10
		0 R (t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 Page

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

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	+	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	/ ₂		1-6 ah F1 vaccine pek tur ani a, chuan
	11100000100	GPSy)		a puitlingh chuan R ₂ B vaccine pek tur
	5			ani.
)	5	4	B complex with antibodies
	4	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. WEINIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
		1	1	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.
		- Y	4	Sangha chaw hi a hmuar lohna turin
	7)		_	hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	1	V		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	1		4	Dil sah kang veka sangha man thin
	Ji		-	hian a kumleh a sangha khawinan a dil
	1	A Control of		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	18	phoro, chinai phul, leitha hman leh tul
	1		1	dang in dil buatsaih tur ani.
		W	4	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
		P (N.	chuan mithiam te rawn vat a, diltui
	ì	100	100	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		Linumetra		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	4)
				V-
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		en le	1	

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SAIHA

LAWNGTLAL

CHAMPAI

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

Date of issue: 23rd January, 2018 Bulletin No: - 764/2018/ Bulletin/English

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	29	20	15	18	16
Wind Speed (KmpH)	4	3	4	4	3
*Wind Direction	S-E	E	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- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 12.00mm Aizawl- 18.1mm

Saiha- 13.9 mm Kolasib- 21.4mm (10.0mm)

(11.6mm)

(12.1mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm) Lunglei-07.4mm (08.7mm) Mamit-24.3mm (09.6mm) Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):09-11°C Maximum RH (%):84-89% Minimum RH (%):52-58% Wind Direction: Southeasterly

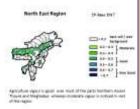
Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 8-10°C. Maximum relative humidity is expected in the range of 100% and minimum may from 15-29%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 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	
	II a was a time	20	♣ According to forecast and past weather
KHASI MANDARIN AND ACID LIME	Harvesting stage	KOLASIB	record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	1	3	♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain
STAR FRUIT	& MAMIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH		SERCHI	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	3	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
DI ANIMAMION CO		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		ALAWNOT ALSO	♣ According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	_
		VV /	2 P a g e

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			♣ Replace dead plant with young
	7 1	1	seedlings.
	1	7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	((Foliar application of Mepiquat chloride
)	500	@ 1000 PPM concentration or 0.75%
	(1 1	SSP @ 1.5 g per 200 lt of water 15 days
	3		interval.
	1		Spray lantana camera leaf paste
	, J		around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7. 11.5000	1	condition.
	3	A ATZAVVIL	Due to high humidity, high
		2 1	temperature and less rainfall in hilly
	1	3	region of the district probability of rust
	1	3 6. (will be high. So apply Hexaconazole @ 1
			ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Kubbei			record, there is no probability of
	stage	SERCHN	rainfall. So weekly irrigation is required
	-	V	for upcoming week or use straw mulch
			reduces soil water loss.
	1		Farmers can go for tapping upto last
			week of January.
		LUNGLEI	♣ Make fire line around the field to save
)	CONGERI	from fire.
			♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	7	- E~	between 4 plants. Store dried leaves in
		15	the pit and after 4 months it can use as
	8		manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage) 55	provide water every alternate day.
	3		♣ Possibility to occurrence of Powdery
		LAWNGTLAN	mildew will be high so apply any
		SAIHA	sulpher based fungicide to reduce
		SAINA	disease incidence.
			■ Weeding should to do properly with
		Va V	proper fertilizer use.
		6 1 7	
			3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation			interval
	stage	1	4	Apply 2% urea solution for better
	1 1	E 1		growth.
		KOLASIB		Weeding should be carried out.
	- 1	Thomas and	×*	Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	3	- CO.	_	more so apply any contact poison for
	1			reducing pest population.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	Stuge	1	4	Collection and destruction of damage
blackgram	- 5	(AIZAWIL)		plant or plant part and spraying of any
bidongrain	1	5		systemic insecticide @ 2ml/lit should
	1			be done.
	- 1		-	Apply 2% urea solution to avoid stress
	1 0			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHN	iF.	provide water every alternate day.
cultivation in	1	V~1	*	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
	1			be done.
	1		4	Apply 2% urea solution to avoid stress
	1	LUNGLEL		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	(%)		provide water every alternate day.
		17	4	Apply split dose of fertilizer for better
				growth.
		(5 20)	+	Collection and destruction of Blister
				beetles and spraying of Neem oil
		30		@3ml/lit should be done.
		A CONTRACTOR OF THE PARTY OF TH	-	Apply split dose of fertilizer for better growth.
VEGETABLE CRO)P	LIAWMETT ALSO		grown:
Ginger and	Harvesting	(SMIIN	4	Turmeric and ginger is harvested when
turmeric	stage			leaves start yellowing and ultimately
curinciic	stage	1 = 1		the stem dries down.
		Co Co	W	·

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Early cole crop Stage **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. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting provide irrigation if water is require. **Remaining quantity of nitrogen is applied 30-40 days after transplanting provide irrigation if water is require. **Seed treatment with thiram 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g/(Apron)/ kg seed **Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate at 10-15 DAS are effective. **Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. **Intercultural operations should be done.		MAINIT	KOLASIB	 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 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying.
Onion Vegetative stage Poly house Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting Provide irrigation if water is require. Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4g(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2graptan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. French bean Vegetative stage Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done	•	Vegetative		 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. Intercultural operations should be done regularly to keep the crop free from weeds and corption of the root system.
French bean Vegetative stage Vegetative stage	Onion			 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
stage stage five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done			Par	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
regularly to keep the crop free from 5 Page	French bean	_	LAWNGTLAN	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from

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			weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 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. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH LUNGI EI	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
Tomato	Transplant stage	LAWNGTLAUSAIHA	 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. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato ANIMAL HUSBER	Vegetative stage	KOLASIB	+ +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
Pig	All stages	SERCHH	# + + + + #	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)
Cattle	All age group	Porcine Reproductive Respiratory Syndrome (PRRS).	1	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL SERCHH LUNGLEI	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAU	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB 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 MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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

Bulletin No: - 764/2018/ Bulletin/Mizo

Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	29	20	15	18	16
Wind Speed (KmpH)	4	3	4	4	3
*Wind Direction	S-E	E	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- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 12.00mm Aizawl- 18.1mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)Mamit-24.3mm

(14.4mm)Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm) Lunglei-07.4mm (08.7mm)

(09.6mm)

(12.9mm)

Weather summary of the past three days

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

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):09-11°C Maximum RH (%):84-89% Minimum RH (%):52-58%

Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 8-100C ni tura beisei a ni. RH san lai berin of 100% leh a hniam lai berin 15-29% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		E	# 771.11 1.1. (1.1.! 11 11 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\	5	non tar main t a vong mor 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.
	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
	(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.
		The same of the sa	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		J SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk ■ 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 ₂ O ₅ leh
	I	1/1/	
			3 P a g e

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

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCH	1	1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	wy)		a puitlingh chuan R ₂ B vaccine pek tur
	8			ani.
	5	Same	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MADVIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	_	chauh pek thin tur ani. Sangha chaw a
	,	3 6 (lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	1			hmun ro leh uap lutuk lo ah dahthat
		SERCH	IIP :	tur ani a, hmuar atang a tur lo inseam
	-	The state of the s		thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 4		4	Dil sah kang veka sangha man thin
	1		-	hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	3	markin Hornald	I	phoro, chinai phul, leitha hman leh tul
	20/	ec-		dang in dil buatsaih tur ani.
		W ()	7	Sangha te natna lak atangin an him em
			()	tih enfiah fo a tha a, natna hmuh anih
		19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			7	A ranglam a chinai @50kg/ha leh
		30		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
	I	SAIHA	1	<u> </u>
				~- ¹
			1	2
		W 1	5	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	26	26	26
Min Temp (°C)	12	12	12	12	12
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	42	38	38	33	33
Wind Speed (KmpH)	2	2	3	3	4
*Wind Direction	S-E	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- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm) (10.0mm)
nglei-07.4mm Mamit-24.3mm

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

(09.6mm)

(12.9mm)

Weather	summary of the pas	st
	three days	
Maximum	Tem. (°C):24-28°C	

Maximum Tem. (°C):24-28°C Minimum Tem. (°C):10-13°C Maximum RH (%):83-88% Minimum RH (%):61-68% Wind Direction: Easterly Cloud cover: Clear sky

Rainfall: 00.0 mm

Wind speed: 1-2 km/hr

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 10-11°C. Maximum relative humidity is expected in the range of 100% and minimum may from 33-42%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Nerth Earl Region

10 January 10 Janu

Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Harvesting	5	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.
AND ACID	((So weekly irrigation is required for
LIME)	60	upcoming week or use straw mulch
BANANA	8		reduces soil water loss. 4 First harvest can be done 5 to 6 years
	7	Same	after planting.
		5	Fruits are harvested when they attain
STAR FRUIT	2		full size, develop attractive colour from
	MAINIT	1	green to yellow with optimum sugar and
	- S	Z AIZAWIL	acid blend.
PLUM AND	1	3	Fruits should be harvested preferably
PEACH)	(with clipper, shears or secateurs.
	1	1 64	Oranges should not be harvested in wet
	1		weather or during rains.
	The Control		♣ Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C &
		SERCH	
		SERUM	three weeks after post-harvest treatment
	V.	The start of	with Bavistin (1000 ppm.).
			♣ Diseased and senile branches should be
	116		removed.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		LUNGLEI	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	1		fortnightly intervals at flowering and fruit
		m 850	initiation.
		Gummosis,	♣ Due to low temperature and humidity
	(citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
		and Dieback	disease.
PLANTATION CR	ROP		
COFFEE	Fruiting stage	LAWNGTLAN	♣ According to forecast and past weather
		# SAIHA	
			rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch reduces soil water loss.
		6	
		1 (1	2 P a g e

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			Replace dead plant with young
		2	seedlings.
	la la	7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	4	E. S	Foliar application of Mepiquat chloride
	1	W)	@ 1000 PPM concentration or 0.75%
)		SSP @ 1.5 g per 200 lt of water 15 days
)	5	interval.
	1	5	♣ Spray lantana camera leaf paste
	2		around 3 kg/16 lt water which will give
	MAINIT	1	effective control against drought
	5	AIZAWL	condition.
	-	Calendar 1	■ Due to high humidity, high
	1	j)	temperature and less rainfall in hilly
	1		region of the district probability of rust
	1		will be high. So apply Hexaconazole @ 1
) 6		ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
	stage	SERCHN	record, there is no probability of
	1	V~	rainfall. So weekly irrigation is required
	1		for upcoming week or use straw mulch reduces soil water loss.
			Farmers can go for tapping upto last
			week of January.
	The same of the sa	A PRINCIPLE OF	♣ Make fire line around the field to save
		LUNGLEI	from fire.
			♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	h.	n 850	between 4 plants. Store dried leaves in
		16	the pit and after 4 months it can use as
	(P Var said	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	1 -3	provide water every alternate day.
	_		♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any
		# SAIHA	sulpher based fungicide to reduce
			disease incidence.
		1	Weeding should to do properly with
		2 2 1	proper fertilizer use.
		T N	3 P a g e
		34	J I a g t

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CEREALS AND P	PULSE CROPS			
Rabi Maize	Tassle formation	2	+	Irrigation should be provide 3 days interval
	stage		4	Apply 2% urea solution for better
	stage	1		growth.
	1	V V	4	Weeding should be carried out.
		KOLASIB		Provide irrigation twice in a week or
	1	/ S	9	grow any cover crop in surface of the
	1	" 1		soil.
	7		+	Leaf and stem cutter insect will be
	1	2 6		more so apply any contact poison for
			_	reducing pest population.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Greengram	stage	\		provide water every alternate day.
and	3	Z ATZAWIL /	C .	Collection and destruction of damage plant or plant part and spraying of any
blackgram	1	1		systemic insecticide @ 2ml/lit should
	1	(3		be done.
	1	2 8	4	Apply 2% urea solution to avoid stress
) 6	V 3 A		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Soybean	stage	SERCHN	ı	provide water every alternate day.
cultivation in		~	+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should
	1		٠,	be done.
	1	LUNGLE)	-	Apply 2% urea solution to avoid stress condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	Zero timage		provide water every alternate day.
10114	Stuge	n ?	-	Apply split dose of fertilizer for better
				growth.
		(by sec.)	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		-2		@3ml/lit should be done.
			+	Apply split dose of fertilizer for better
VECETADI E CEC	ND.	LIAMMETT ALSO		growth.
VEGETABLE CRO		/- SAIIIA	4	Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting		-	leaves start yellowing and ultimately
turmeric	stage	1	100	the stem dries down.
		00	V.	die deem dried down.

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			4 The plants are-cut close to the ground.
			♣ The crop is irrigated lightly for easy
			digging.
	1	1	Harvesting consists of digging of
) \	5	underground clumps of rhizomes
		KOLASIB	with pick axe or digging fork.
	1	NULLISIDE .	Fingers are separated from mother
)	LA 1	rhizomes.
	(3 4 /	Wash clumps of rhizomes with water
	7		and keep it for sundry.
	1	2	Seed stock will be store from partially
	1		dry sample.
	Same		♣ Cut the rhizome to small pieces for
	/ MAMIT	1	proper drying.
Early cole	Vegetative	LAIZAWL I	+ According to forecast and past weather
crop	stage	2	record, there is no probability of rainfall. So weekly twice irrigation is
)	- 2	
	1	3 64	required for upcoming week or use straw mulch reduces soil water loss.
			Intercultural operations should be done
			regularly to keep the crop free from
	1)		weeds and aeration of the root system.
		SERCHN	Remaining quantity of nitrogen is
	1	V	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	Intercultural operations should be
Onion	stage	1 ory nouse	done regularly to keep the crop free
	stage		from weeds and aeration of the root
		LUNGLEI	system.
	2	PARSENT.	Remaining quantity of nitrogen is
	1/2	- T-	applied 30-40 days after transplanting.
	1	n in	Provide irrigation if water is require.
			♣ Seed treatment with thiram 3g/kg seed or
	(i	1 1 3	Trichoderma viride 4g+ metalaxyl 4g
		3 1 1 1 1	(Apron)/ kg seed
	ľ	J -3 7	Drenching 1% Bordeaux mixture or 2 g
		1	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTI ALS	♣ Possibility of rain will be less coming
riench bean	_	SAIHA	
	stage	(()	be done 2 days interval.
			Intercultural operations should be done
		1 2 1	regularly to keep the crop free from
			- Garage J at a sample of the first of the f

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		1	weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant	Poly house	♣ Intercultural operations should be done
	stage	5	regularly to keep the crop free from
		KOLASIB	weeds and aeration of the root system.
	1	111111111111111111111111111111111111111	Remaining quantity of nitrogen is
)	W. J	applied 30-40 days after transplanting. 4 Provide irrigation if water is require.
Brinjal	Fruiting to	1 1	According to forecast and past weather
Billijai	flowering	Control of the second	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	Stage	/	required for upcoming week or use
	MAMIT	()	straw mulch reduces soil water loss.
	5	LAIZAWL I	♣ Interculture operation should be done
	1	desiran-	near to the base of the plant.
	1)	4 Apply split dose of nitrogenous
01.111		1	fertilizer to the plant.
Chilli	Vegetative to		According to forecast and past weather
	flowering		record, there is no probability of rainfall. So weekly twice irrigation is
	stage		
		SERCHN	straw mulch reduces soil water loss.
	l l	No.	♣ Interculture operation should be done
		4	near to the base of the plant.
			4 Apply split dose of nitrogenous
	11(CONTRACTOR OF THE PARTY OF THE	fertilizer to the plant.
	_	LUNGLEI	Staking should be done.
Tomato	Transplant		According to forecast and past weather
	stage	- F	record, there is no probability of rainfall. So weekly twice irrigation is
		17	required for upcoming week or use
			straw mulch reduces soil water loss.
			Interculture operation should be done
	1) 55 7	near to the base of the plant.
			Fertilizer application in split dose of
		LAWNGTLAN	recommended dose.
		SAIHA	Staking should be done for better fruit
			growth. Seed treatment with thiram 3g/kg seed or
		Damping off	Trichoderma viride 4g+ metalaxyl 4g
	I	0 0	Thenodelina villae 18. metaanyi 18

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Potato	Vegetative stage	KOLASIB	+ + +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBEI		/ ATZAWA		Nationals asset Issue in June 11-11
Pig	All stages	Porcine Reproductive	1	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) Culling of positive pigs or piglets.
	. 7	Respiratory Syndrome (PRRS).	3	
Cattle	All age group	LAWNGTLAL	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 wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB 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 MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Bulletin No: - 764/2018/ Bulletin/Mizo

	1.0	P	5		
Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	26	26	26
Min Temp (°C)	12	12	12	12	12
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	42	38	38	33	33
Wind Speed (KmpH)	2	2	3	3	4
*Wind Direction	S-E	म	S-F	S-F	S-F

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

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

Aizawl- 18.1mm

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

24-28°C

Maximum Tem. (°C):24-28°C Minimum Tem. (°C):10-13°C Maximum RH (%):83-88% Minimum RH (%):61-68% Wind Direction: Easterly Cloud cover: Clear sky

Rainfall: 00.0 mm

Wind speed: 1-2 km/hr

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

Date of issue: 23rd January, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 24-25°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 33-42% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	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.
		20	♣ 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
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1)		tawkah chuan: Arabica / robusta
		SERCHN	
			robusta cherry 11.0 %.
	\ \	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
)	100	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DILL CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun		✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A chin hun	n (~	
			phut darh anga. Hei hian a rawn to chhuah na tur atan
	()	1 Sec. 1	
			a pui dawn a ni. 4 A chi chu kan lei leh saah chuan kan
	1) -3 7	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SAINE	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		1 = 1	A chi tuh hma in lei leh FYM @5-10
		6	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 (4	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	2	wy)	♣ Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier store		♣ Muangchang loving alu chin na tur
Potato	Sowing stage	LAIZAWL I	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
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
	8	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
Davids C. 1	D11		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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			awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
) ~	KOLASIB	@ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a
	MAMIT	AIZAWL	to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna
		LAWNGTLAUSAIHA	tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		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	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	}	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	[Medwit	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWL	CH	IMPAI }
	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: Lawngtlai Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	98	97	96	94	95
Min RH (%)	42	36	33	28	28
Wind Speed (KmpH)	3	3	4	4	3
*Wind Direction	E	E	E	E	N-E

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

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

Aizawl- 18.1mm Chan

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):22-23°C Minimum Tem. (°C):11-14°C Maximum RH (%):84-89% Minimum RH (%):38-49% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 8-10°C. Maximum relative humidity is expected in the range of 94-98% and minimum may from 28-42%. Wind direction would be easterly to northeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Segion

(5 January 15 Janu

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	
	II a was a time	20	♣ According to forecast and past weather
KHASI MANDARIN AND ACID LIME	Harvesting stage	KOLASIB	record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	1	3	♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain
STAR FRUIT	& MAMIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH		SERCHI	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	3	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
DI ANIMAMION CO		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		ALAWNOT ALSO	♣ According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	_
		VV /	2 P a g e

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			♣ Replace dead plant with young
	7 1	1	seedlings.
	1	7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	((Foliar application of Mepiquat chloride
)	500	@ 1000 PPM concentration or 0.75%
	(1 1	SSP @ 1.5 g per 200 lt of water 15 days
	3		interval.
	1		Spray lantana camera leaf paste
	, J		around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7. 11.5000	1	condition.
	3	A ATZAVVIL	Due to high humidity, high
		2 1	temperature and less rainfall in hilly
	1	3	region of the district probability of rust
	1	3 6. (will be high. So apply Hexaconazole @ 1
			ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Kubbei			record, there is no probability of
	stage	SERCHN	rainfall. So weekly irrigation is required
	-	V	for upcoming week or use straw mulch
			reduces soil water loss.
	1		Farmers can go for tapping upto last
			week of January.
		LUNGLEI	♣ Make fire line around the field to save
)	CONGERI	from fire.
			♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	7	- E~	between 4 plants. Store dried leaves in
		15	the pit and after 4 months it can use as
	8		manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage) 55	provide water every alternate day.
	3		♣ Possibility to occurrence of Powdery
		LAWNGTLAN	mildew will be high so apply any
		SAIHA	sulpher based fungicide to reduce
		SAINA	disease incidence.
			■ Weeding should to do properly with
		Va V	proper fertilizer use.
		6 1 7	
			3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation			interval
	stage	1	4	Apply 2% urea solution for better
	1 1	E 1		growth.
		KOLASIB		Weeding should be carried out.
	- 1	Thomas and	×*	Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	3	- CO.	_	more so apply any contact poison for
	1			reducing pest population.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	Stuge	1	4	Collection and destruction of damage
blackgram	- 5	(AIZAWIL)		plant or plant part and spraying of any
bidongrain	1	5		systemic insecticide @ 2ml/lit should
	1			be done.
	- 1		-	Apply 2% urea solution to avoid stress
	1 0			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHN	iF.	provide water every alternate day.
cultivation in	1	V~1	*	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
	1			be done.
	1		4	Apply 2% urea solution to avoid stress
	1	LUNGLEL		condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Toria	stage	(%)		provide water every alternate day.
		17	4	Apply split dose of fertilizer for better
				growth.
		(9 20)	+	Collection and destruction of Blister
				beetles and spraying of Neem oil
		3		@3ml/lit should be done.
		A CONTRACTOR OF THE PARTY OF TH	-	Apply split dose of fertilizer for better growth.
VEGETABLE CRO)P	LIAWMETT ALSO		grown:
Ginger and	Harvesting	(SMIIN	4	Turmeric and ginger is harvested when
turmeric	stage			leaves start yellowing and ultimately
curinciic	stage	1 = 1		the stem dries down.
		Co Co	W	·

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Early cole crop Stage **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. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting provide irrigation if water is require. **Remaining quantity of nitrogen is applied 30-40 days after transplanting provide irrigation if water is require. **Seed treatment with thiram 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g/(Apron)/ kg seed **Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate at 10-15 DAS are effective. **Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. **Intercultural operations should be done.		MAINIT	KOLASIB	 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 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying.
Onion Vegetative stage Poly house Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting Provide irrigation if water is require. Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4g(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2graptan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. French bean Vegetative stage Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done	•	Vegetative		 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. Intercultural operations should be done regularly to keep the crop free from weeds and corption of the root system.
French bean Vegetative stage Vegetative stage	Onion			 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
stage stage five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done			Par	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
regularly to keep the crop free from 5 Page	French bean	_	LAWNGTLAN	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from

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			weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 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. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH LUNGI EI	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
Tomato	Transplant stage	LAWNGTLAUSAIHA	 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. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato ANIMAL HUSBER	Vegetative stage	KOLASIB	+ +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
Pig	All stages	SERCHH	# + + + + #	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)
Cattle	All age group	Porcine Reproductive Respiratory Syndrome (PRRS).	1	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL SERCHH LUNGLEI	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAU	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB 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 MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/Mizo

	0.00	P	4.0		
Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	98	97	96	94	95
Min RH (%)	42	36	33	28	28
Wind Speed (KmpH)	3	3	4	4	3
*Wind Direction	E	E	E	E	N-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- October 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 283.0mm Champhai- 0.00mm

Saiha- 57.9 mm

Date of issue: 23rd January, 2018

Kolasib- 50.0mm (34.8mm)

(44.8mm)

(35.9mm) Lunglei-130.3mm (64.0mm) Mamit-231.0mm

Serchhip-234.8mm

Lawngtlai-135.3mm (54.1mm)

(33.7mm)

(17.9mm)

(56.3mm)

Weather summary of the past three days

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

Maximum Tem. (°C):22-23°C Minimum Tem. (°C):11-14°C Maximum RH (%):84-89% Minimum RH (%):38-49% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 24-25°C a ni ang a. A vawh lai ber in 8-10°C ni tura beisei a ni. RH san lai berin 94-98% leh a hniam lai berin 28-42% 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.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

North East Region 29 Associated Technologies and September 19 Associated Technologies 19 Associated Te

Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	1)	(
	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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		1	Homzosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1	C R	♣ A rah hmin tha lo ho chu nuai sawm
	1 \	20	hmain an thliar hrang leh vek thin ani.
	land and	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	4	()	♣ Hmaih neih nuaih loh tur ani.
)	wy)	♣ Sneg hmaih te lakkhawma paih vek tur
		1	ani.
	¥:	the same of the	♣ Seng bang zawng zawng chu uluka taka
	1	7	paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	No.		tur ani.
	MAMIT	7	Hmun dam lutukah dah loh tur.
	5	Z AIZAWL Z	👃 Boruak tha taka a hmuh theih nan leh a
	1	Communication 1	rawn chawr no theih nan thlai chu uluk
	1	1	tak a hlawi tur ani.
	1	5.	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 5	EC @ 340 ml/200 lit emaw lamda
	A	V 0	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	16 6		♣ In leh loa sawngbawln a a ro dan tur
	11		tawkah chuan: Arabica / robusta
		SERCHN	
	1	V~	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	016		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALC AND	DILL OF OPODO	TO CONTRACT OF THE PARTY OF THE	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		274	1 xx.tt 1.t 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Rabi Maize	A chin hun	7	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
	N.	1 6	♣ A chi chu kan lei leh saah chuan kan
			dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		* SAIHA	
		1	vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P_2O_5 leh
	<u> </u>		
			3 P a g e

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

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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				Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur	
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.	
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni	
	measures	O O WCCI		1-6 ah F1 vaccine pek tur ani a, chuan	
	mousures	GP y		a puitlingh chuan R ₂ B vaccine pek tur	
	5			ani.	
)	STATE	4	B complex with antibodies	
	1	4th weeks	4	Coccidiosis- Amprolium or	
	2			coccidiostat	
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂	
FISHERY	- 1	AIZAWL	CH/	AMPAI (
	lonitoring		14	Sangha te hi chaw a hmuar kai lo	
	Sangha	7		chauh pek thin tur ani. Sangha chaw a	
I •	-	3 6 6		lo hmuar anih chuan pek hma in ni sa	
e i	nkawl)		-	a phoro phawt tur ani.	
	1		4	Sangha chaw hi a hmuar lohna turin	
	11			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	
	1			atangin sangha a him phah thin.	
	1		4	Dil sah kang veka sangha man thin	
	- 1		-	hian a kumleh a sangha khawinan a dil	
		LUNGLEI		buatsaih a ti awlsam a, dil mawng	
	3		1	phoro, chinai phul, leitha hman leh tul	
	3	200	-(dang in dil buatsaih tur ani.	
	1	17	1	Sangha te natna lak atangin an him em	
			10	tih enfiah fo a tha a, natna hmuh anih	
		(6 36)		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.	
			1	A ranglam a chinai @50kg/ha leh	
		-9		tuisen @1.5mg/l diltui a hman hian	
			153	sangha natna avang a thi tur lak	
		LAWNGTLAN		atangin a veng thei.	
		J SAIH	1	www.gara a rong mon	
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		n 1	ζ.		

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	26	26	26
Min Temp (°C)	12	12	12	12	12
Cloud Coverage	Clear sky				
Max RH (%)	90	88	100	100	100
Min RH (%)	39	33	27	25	26
Wind Speed (KmpH)	3	4	4	4	4
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm Ko

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):18-20°C Minimum Tem. (°C):10-12°C Maximum RH (%):83-88% Minimum RH (%):36-46% Wind Direction: Easterly Cloud cover: Clear sky

Rainfall: 00.0 mm

Wind speed: 1-2 km/hr

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 12°C. Maximum relative humidity is expected in the range of 88-100% and minimum may from 25-39%. Wind direction would be southeasterly to easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Suppose

10 August 107

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	Harvesting	5	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.
AND ACID	((So weekly irrigation is required for
LIME)	60	upcoming week or use straw mulch
BANANA	8		reduces soil water loss. 4 First harvest can be done 5 to 6 years
	7	Same	after planting.
		5	Fruits are harvested when they attain
STAR FRUIT	2		full size, develop attractive colour from
	MAINIT	1	green to yellow with optimum sugar and
	§	Z AIZAWIL	acid blend.
PLUM AND	1	3	Fruits should be harvested preferably
PEACH)	(with clipper, shears or secateurs.
	1	1 64	Oranges should not be harvested in wet
	1		weather or during rains.
	The Control		♣ Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C &
		SERCH	
		SERUM	three weeks after post-harvest treatment
	V.	The start of	with Bavistin (1000 ppm.).
			♣ Diseased and senile branches should be
	116		removed.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		LUNGLEI	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	1		fortnightly intervals at flowering and fruit
		m 850	initiation.
		Gummosis,	♣ Due to low temperature and humidity
	(citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
		and Dieback	disease.
PLANTATION CR	ROP		
COFFEE	Fruiting stage	LAWNGTLAN	♣ According to forecast and past weather
		# SAIHA	
			rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch reduces soil water loss.
		6	
		1 (1	2 P a g e

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			Replace dead plant with young
		2	seedlings.
	La Company	7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	4	E. S	Foliar application of Mepiquat chloride
	1	W)	@ 1000 PPM concentration or 0.75%
)		SSP @ 1.5 g per 200 lt of water 15 days
)	5	interval.
	1	5	♣ Spray lantana camera leaf paste
	2		around 3 kg/16 lt water which will give
	MAINIT	1	effective control against drought
	5	AIZAWL	condition.
	-	Calendar 1	■ Due to high humidity, high
	1	j)	temperature and less rainfall in hilly
	1		region of the district probability of rust
	1		will be high. So apply Hexaconazole @ 1
) 6		ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
	stage	SERCHN	record, there is no probability of
	1	V~	rainfall. So weekly irrigation is required
	1		for upcoming week or use straw mulch reduces soil water loss.
			Farmers can go for tapping upto last
			week of January.
	The same of the sa	A PRINCIPLE OF	♣ Make fire line around the field to save
		LUNGLEI	from fire.
			♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	h.	n 850	between 4 plants. Store dried leaves in
		16	the pit and after 4 months it can use as
	(P Var said	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	1 -3	provide water every alternate day.
	_		♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any
		# SAIHA	sulpher based fungicide to reduce
			disease incidence.
		1	Weeding should to do properly with
		2 2 1	proper fertilizer use.
		T N	3 P a g e
		34	J I a g t

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CEREALS AND P	PULSE CROPS			
Rabi Maize	Tassle formation	2	+	Irrigation should be provide 3 days interval
	stage		4	Apply 2% urea solution for better
	stage	1		growth.
	1	V V	4	Weeding should be carried out.
		KOLASIB		Provide irrigation twice in a week or
	1	/ S	9	grow any cover crop in surface of the
	1	" 1		soil.
	7		+	Leaf and stem cutter insect will be
	1	2 6		more so apply any contact poison for
			_	reducing pest population.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Greengram	stage	\		provide water every alternate day.
and	3	Z ATZAWIL /	C .	Collection and destruction of damage plant or plant part and spraying of any
blackgram	1	1		systemic insecticide @ 2ml/lit should
	1	(3		be done.
	1	2 8	4	Apply 2% urea solution to avoid stress
) 6	V 3 A		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Soybean	stage	SERCHN	ı	provide water every alternate day.
cultivation in		~	+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should
	1		٠,	be done.
	1	LUNGLE)	-	Apply 2% urea solution to avoid stress condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	Zero timage		provide water every alternate day.
10114	Stuge	n ?	-	Apply split dose of fertilizer for better
				growth.
		(by sec.)	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		-2		@3ml/lit should be done.
			+	Apply split dose of fertilizer for better
VECETADI E CEC	ND.	LIAMMETT ALSO		growth.
VEGETABLE CRO		/- SAIIIA	4	Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting		-	leaves start yellowing and ultimately
turmeric	stage	1	100	the stem dries down.
		00	V.	die deem dried down.

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			4 The plants are-cut close to the ground.
			♣ The crop is irrigated lightly for easy
			digging.
	1	1	Harvesting consists of digging of
) \	5	underground clumps of rhizomes
		KOLASIB	with pick axe or digging fork.
	1	NULLISIDE .	Fingers are separated from mother
)	LA 1	rhizomes.
	(3 4 /	Wash clumps of rhizomes with water
	7		and keep it for sundry.
	1	2	Seed stock will be store from partially
	1		dry sample.
	Same		♣ Cut the rhizome to small pieces for
	/ MAMIT	1	proper drying.
Early cole	Vegetative	LAIZAWL I	+ According to forecast and past weather
crop	stage	2	record, there is no probability of rainfall. So weekly twice irrigation is
)	- 2	
	1	3 64	required for upcoming week or use straw mulch reduces soil water loss.
			Intercultural operations should be done
			regularly to keep the crop free from
	1)		weeds and aeration of the root system.
		SERCHN	Remaining quantity of nitrogen is
	1	V	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	Intercultural operations should be
Onion	stage	1 ory nouse	done regularly to keep the crop free
	stage		from weeds and aeration of the root
		LUNGLEI	system.
	2	PARSENT.	Remaining quantity of nitrogen is
	1/2	- T-	applied 30-40 days after transplanting.
	1	n in	Provide irrigation if water is require.
			♣ Seed treatment with thiram 3g/kg seed or
	(1 1 3	Trichoderma viride 4g+ metalaxyl 4g
		3 1 1 1 1	(Apron)/ kg seed
	ľ	J -3 7	Drenching 1% Bordeaux mixture or 2 g
		1	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTI ALS	♣ Possibility of rain will be less coming
riench bean	_	SAIHA	
	stage	(()	be done 2 days interval.
			Intercultural operations should be done
		1 2 1	regularly to keep the crop free from
			- Garage of the state of the st

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		1	weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant	Poly house	♣ Intercultural operations should be done
	stage	5	regularly to keep the crop free from
		KOLASIB	weeds and aeration of the root system.
	1	11000000	Remaining quantity of nitrogen is
)	W. J	applied 30-40 days after transplanting. 4 Provide irrigation if water is require.
Brinjal	Fruiting to	1 1	According to forecast and past weather
Billijai	flowering	Control of the second	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	Stage	/	required for upcoming week or use
	MAMIT	()	straw mulch reduces soil water loss.
	\$	LAIZAWL I	♣ Interculture operation should be done
	1	desiran-	near to the base of the plant.
	1)	4 Apply split dose of nitrogenous
01.111		1	fertilizer to the plant.
Chilli	Vegetative to		According to forecast and past weather
	flowering		record, there is no probability of rainfall. So weekly twice irrigation is
	stage		
		SERCHN	straw mulch reduces soil water loss.
	l l	No.	♣ Interculture operation should be done
		4	near to the base of the plant.
			4 Apply split dose of nitrogenous
	11(CONTRACTOR OF THE PARTY OF THE	fertilizer to the plant.
	_	LUNGLEI	Staking should be done.
Tomato	Transplant		According to forecast and past weather
	stage	- F	record, there is no probability of rainfall. So weekly twice irrigation is
		17	required for upcoming week or use
			straw mulch reduces soil water loss.
			Interculture operation should be done
	1) 55 7	near to the base of the plant.
			Fertilizer application in split dose of
		LAWNGTLAN	recommended dose.
		SAIHA	Staking should be done for better fruit
			growth. Seed treatment with thiram 3g/kg seed or
		Damping off	Trichoderma viride 4g+ metalaxyl 4g
	I	0 0	Thenodelina villae 18. metaanyi 18

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Potato	Vegetative stage	KOLASIB	+ + +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBEI		/ ATZAWA		Nationals asset Issue in June 11-11
Pig	All stages	Porcine Reproductive	1	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) Culling of positive pigs or piglets.
	. 7	Respiratory Syndrome (PRRS).	3	
Cattle	All age group	LAWNGTLAL	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 wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB 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 MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



26

4

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

33

4

Bulletin No: - 764/2018/ Bulletin/Mizo

24.01.2018

0

26

12

Clear sky

90

39

3

0	3		
25.01.2018	26.01.2018	27.01.2018	28.01.2018
0	0	0	0
25	26	26	26
12	12	12	12
Clear sky	Clear sky	Clear sky	Clear sky
88	100	100	100

Date of issue: 23rd January, 2018

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

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

Champhai- 12.00mm Aizawl- 18.1mm

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)(14.4mm)

4

Lawngtlai-06.4mm (07.1mm) Lunglei-07.4mm (08.7mm) Mamit-24.3mm (09.6mm)

27

4

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

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

Maximum Tem. (°C):17-20°C Minimum Tem. (°C):07-08°C Maximum RH (%):87-89% Minimum RH (%):41-49% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 0-2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 120C ni tura beisei a ni. RH san lai berin 88-100% leh a hniam lai berin 25-39% 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.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	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
	1	1 6 /	EC @ 340 ml/200 lit emaw lamda
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1)		tawkah chuan: Arabica / robusta
		SERCHN	
			robusta cherry 11.0 %.
	\ \	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
)	100	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DILL CE CDODC	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun		✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A chin hun	7	
			phut darh anga. Hei hian a rawn to chhuah na tur atan
	()	1 Sec. 1	
			a pui dawn a ni. 4 A chi chu kan lei leh saah chuan kan
	1) -3 7	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		(SAINE	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		1 = 1	A chi tuh hma in lei leh FYM @5-10
		6	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 (4	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	2	wy)	♣ Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier store		♣ Muangchang loving alu chin na tur
Potato	Sowing stage	LAIZAWL I	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
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
	8	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
Davids C. 1	D11		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 second	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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			awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
) ~	KOLASIB	@ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a
	MAMIT	AIZAWL	to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna
		LAWNGTLAUSAIHA	tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		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	±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	}	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
	[Medwit	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWL	CH	IMPAI }
	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

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ICAR RESEARCH COMPLEX FOR NEH REGION

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District: Mamit Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	13	13	13	12	12
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	38	33	31	28	27
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm) Mamit-24.3mm (14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

(09.6mm)

(12.9mm)

Weather summary of the past three days

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):10-12°C Maximum RH (%):83-85% Minimum RH (%):62-71% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26°C and 12-13°C. Maximum relative humidity is expected in the range of 100% and minimum may from 27-46%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI MANDARIN AND ACID LIME	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.		
BANANA	}	3	♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain		
STAR FRUIT	MAMIT	AIZAVAL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.		
PLUM AND PEACH	}		 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored 		
		SERCHI	in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.		
	3	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.		
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.		
PLANTATION CR	OP				
COFFEE	Fruiting stage	LAWNGTLAUSAIHA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. 		
	2 P a g e				

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			♣ Replace dead plant with young
	7 1	1	seedlings.
	1	7	Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	((Foliar application of Mepiquat chloride
)	500	@ 1000 PPM concentration or 0.75%
	(1 1	SSP @ 1.5 g per 200 lt of water 15 days
	3		interval.
	1		Spray lantana camera leaf paste
	, J		around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7. 17.22		condition.
	3.	CATZAVVI.	Due to high humidity, high
	1	2 1	temperature and less rainfall in hilly
	1	3	region of the district probability of rust
	1	3 0.4	will be high. So apply Hexaconazole @ 1
	1		ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Rubbei			record, there is no probability of
	stage	SERCHN	rainfall. So weekly irrigation is required
	-	V	for upcoming week or use straw mulch
			reduces soil water loss.
	1		Farmers can go for tapping upto last
			week of January.
		LUNGLEI	♣ Make fire line around the field to save
	7	CONGETT	from fire.
			♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	7	- E~	between 4 plants. Store dried leaves in
		15	the pit and after 4 months it can use as
	8		manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage) 55 7	provide water every alternate day.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAN	mildew will be high so apply any
		The state of the s	sulpher based fungicide to reduce
		# SAIHA	disease incidence.
			■ Weeding should to do properly with
		Va V	proper fertilizer use.
		6 1 7	
			3 P a g e

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



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CEREALS AND P	PULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation			interval
	stage	1	4	Apply 2% urea solution for better
	1 1	5		growth.
		KOLASIB		Weeding should be carried out.
	1	Thomas -	\ +	Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	3	(Care)	_	more so apply any contact poison for
	1			reducing pest population.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	Stuge	1	4	Collection and destruction of damage
blackgram	- 5	(AIZAWIL)	uit.	plant or plant part and spraying of any
biackgrain	1	5		systemic insecticide @ 2ml/lit should
	1	()		be done.
	1		4	Apply 2% urea solution to avoid stress
	1 0			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHN	iF.	provide water every alternate day.
cultivation in	1	V~1	*	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
	1			be done.
	1		4	Apply 2% urea solution to avoid stress
	1	LUNGLEL		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	17%		provide water every alternate day.
		7	4	Apply split dose of fertilizer for better
				growth.
		(19 70)	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		30		@3ml/lit should be done.
		The same of the sa	-	Apply split dose of fertilizer for better growth.
VEGETABLE CRO)P	LIAWMETTAL		grown:
Ginger and	Harvesting	(SMITH	4	Turmeric and ginger is harvested when
turmeric	stage			leaves start yellowing and ultimately
curinciic	stage			the stem dries down.
		6	V.	·

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	MAMIT	KOLASIB	 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 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying.
Early cole crop	Vegetative stage	AIZAWL	 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. Intercultural operations should be done regularly to keep the crop free from
Onion	Vegetati <mark>ve</mark> stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
		Par ?	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative stage	LAWNGTLAN	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from
		1 1	5 P a g e

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			weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant stage	Poly house	♣ Intercultural operations should be done regularly to keep the crop free from
		KOLASIB	weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	\$	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use
	MAMIT	AIZAWL	straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
Tomato	Transplant stage	LUNGLEI	 Staking should be done. 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. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit
		Damping off	growth. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato	Vegetative stage	KOLASIB	 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous
ANIMAL HUSBEN	IDARY	(fertilizer.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	 Animals must keep in dry place of 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) Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAUSAIHA	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. ♣ Provide UMB/Molases if possible in the feed ♣ Provide 10-30 ml of vitamin B-Complex

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

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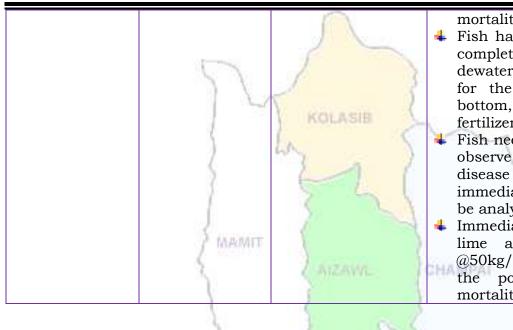


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mortality of fish.

- ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, 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.



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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/Mizo

	100	P	5		
Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	13	13	13	12	12
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	38	33	31	28	27
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	ਸ	म	F	F	F

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

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

Aizawl- 18.1mm Champl

Champhai- 12.00mm

Saiha- 13.9 mm

Date of issue: 23rd January, 2018

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(08.7mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm

Mamit-24.3mm

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

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

(09.6mm)

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):10-12°C Maximum RH (%):83-85% Minimum RH (%):62-71% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 26°C a ni ang a. A vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 27-46% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Recth East Region 29 January 127

Mildly dry condition occurs in all districts of Mizoram.

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

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

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

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

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

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



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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	/ ₂		1-6 ah F1 vaccine pek tur ani a, chuan
	11104154105	my)		a puitlingh chuan R ₂ B vaccine pek tur
)			ani.
	1	5	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	- 1	AIZAWL I	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI			a phoro phawt tur ani.
	16.0		4	Sangha chaw hi a hmuar lohna turin
	1)	- Company		hmun ro leh uap lutuk lo ah dahthat
		SERCH	gP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Lang		thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	4		+	Dil sah kang veka sangha man thin
	1			hian a kumleh a sangha khawinan a dil
		LUNGLEI	60	buatsaih a ti awlsam a, dil mawng
	3	THE PROPERTY OF THE PARTY OF TH	l I	phoro, chinai phul, leitha hman leh tul
		000		dang in dil buatsaih tur ani.
	. 50	17	1	Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		19 8		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		Variable State of the State of		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
	·	SAIH	A.	
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SAIHA

LAWNGTLAL

CHAMPAI

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

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	26	26	26
Min Temp (°C)	12	12	12	12	12
Cloud Coverage	Clear sky				
Max RH (%)	98	98	99	98	97
Min RH (%)	33	27	20	17	19
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm) (10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

Maximum Tem. (°C):19-22°C Minimum Tem. (°C):10-12°C Maximum RH (%):84-89% Minimum RH (%):56-62% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 0-2 km/hr There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 12°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 17-33%. Wind direction would be easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Segion 19- January 19- January

Mildly dry condition occurs in all districts of Mizoram.

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Animal /Fisheries FRUITS CROPS KHASI MANDARIN AND ACID LIME BANANA BANANA STAR FRUIT PLUM AND PEACH Animal /Fisheries Process Harvesting stage According to forecast and past we record, there is no probability of record is not record in the record is n	rainfall. red for mulch fo years attain ar from gar and eferably rateurs.
Harvesting MANDARIN AND ACID LIME BANANA BANANA STAR FRUIT PLUM AND PEACH Harvesting stage Harvesting stage According to forecast and past we record, there is no probability of record is not record in the	rainfall. red for mulch fo years attain ar from gar and eferably rateurs.
Harvesting stage MANDARIN AND ACID LIME BANANA BANANA Harvesting stage So weekly irrigation is requir upcoming week or use straw reduces soil water loss. First harvest can be done 5 to after planting. Fruits are harvested when they full size, develop attractive colour green to yellow with optimum sug acid blend. PLUM AND PEACH PLUM AND PEACH	rainfall. red for mulch fo years attain ar from gar and eferably rateurs.
MANDARIN AND ACID LIME BANANA BANANA STAR FRUIT PLUM AND PEACH Stage stage record, there is no probability of r So weekly irrigation is requir upcoming week or use straw reduces soil water loss. First harvest can be done 5 to 6 after planting. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sug acid blend. Fruits should be harvested pre with clipper, shears or sec	rainfall. red for mulch fo years attain ar from gar and eferably rateurs.
So weekly irrigation is require upcoming week or use straw reduces soil water loss. BANANA First harvest can be done 5 to 6 after planting. Fruits are harvested when they full size, develop attractive colour green to yellow with optimum sugacid blend. PLUM AND PEACH PEACH So weekly irrigation is require upcoming week or use straw reduces soil water loss. First harvest can be done 5 to 6 after planting. Fruits are harvested when they full size, develop attractive colour green to yellow with optimum sugacid blend. Fruits should be harvested prewith clipper, shears or sec	ed for mulch for years attain ar from gar and eferably eateurs.
LIME BANANA BANANA First harvest can be done 5 to 6 after planting. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. PLUM AND PEACH PEACH PEACH Upcoming week or use straw reduces soil water loss. First harvest can be done 5 to 6 after planting. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. Fruits should be harvested prewith clipper, shears or sec	mulch by years attain ar from gar and eferably eateurs.
BANANA BANANA First harvest can be done 5 to 6 after planting. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. PLUM AND PEACH PEACH reduces soil water loss. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. Fruits should be harvested prewith clipper, shears or sec	attain ar from gar and eferably eateurs.
BANANA ♣ First harvest can be done 5 to 6 after planting. ♣ Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. ♣ Fruits should be harvested prewith clipper, shears or sec	attain ar from gar and eferably eateurs.
after planting. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. PLUM AND PEACH PEACH after planting. Fruits are harvested when they full size, develop attractive colou green to yellow with optimum sugacid blend. Fruits should be harvested prewith clipper, shears or sec	attain ar from gar and eferably eateurs.
STAR FRUIT STAR FRUIT PLUM AND PEACH PEACH STAR FRUIT PLUM SIZE, develop attractive colou green to yellow with optimum sug acid blend. Fruits should be harvested prewith clipper, shears or sec	ar from gar and eferably eateurs.
PLUM AND PEACH full size, develop attractive colou green to yellow with optimum sug acid blend. Fruits should be harvested pre with clipper, shears or sec	ar from gar and eferably eateurs.
PLUM AND PEACH green to yellow with optimum sug acid blend. ❖ Fruits should be harvested pre with clipper, shears or sec	gar and eferably eateurs.
PLUM AND PEACH Struits should be harvested pre with clipper, shears or sec	ateurs.
PEACH with clipper, shears or sec	ateurs.
with elipper, shears of see	
()ranges should not be harvested	140 ****
	m wet
weather or during rains.	atomod
Green or fully ripe fruits can be in evaporative cool chamber at 8-	
90-95% relative humidity for a pe	
three weeks after post-harvest tre	
with Bavistin (1000 ppm.).	
♣ Diseased and senile branches sho	ould be
removed.	
Fruit fly	
or malathion 0.15 per cent sus containing sugar or jeggery at 10	
fortnightly intervals at flowering ar	
initiation.	
Gummosis, Due to low temperature and h	
citrus canker, disease appearance will more. Use Bo	
citrus greening past in tree trunk, twigs and branch protect healthy plant from soil	
disease.	-
PLANTATION CROP	
COFFEE Fruiting stage	
SAIHA record, there is no probabil	
rainfall. So weekly irrigation is re	-
for upcoming week or use straw reduces soil water loss.	mulen
	a g e

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
		/	♣ Replace dead plant with young
	3 1	2	seedlings.
	1	V V	Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	4	En S	Foliar application of Mepiquat chloride
)	3	@ 1000 PPM concentration or 0.75%
)		SSP @ 1.5 g per 200 lt of water 15 days
)	Similar	interval.
	1	5	♣ Spray lantana camera leaf paste
	2		around 3 kg/16 lt water which will give
	MAMIT	1	effective control against drought
	5	AIZAWL I	condition.
	1	Canenar.	■ Due to high humidity, high
	1	5	temperature and less rainfall in hilly
	1	1	region of the district probability of rust
	1	1 10	will be high. So apply Hexaconazole @ 1
) (ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
	stage	SERCHN	record, there is no probability of
			rainfall. So weekly irrigation is required
	1		for upcoming week or use straw mulch
			reduces soil water loss.
	Ji.		♣ Farmers can go for tapping upto last week of January.
	The same of the sa	Ministra	■ Make fire line around the field to save
		LUNGLEI	from fire.
	1		→ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	L.	- E	between 4 plants. Store dried leaves in
		17	the pit and after 4 months it can use as
	1		manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	1 55 4	provide water every alternate day.
	2 2 3 6		♣ Possibility to occurrence of Powdery
		LAWNGTLAN	mildew will be high so apply any
		SAIHA	sulpher based fungicide to reduce
		SAIHA	disease incidence.
			■ Weeding should to do properly with
		N S V	proper fertilizer use.
		6 1 7	215
			3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation			interval
	stage	1	4	Apply 2% urea solution for better
	1 1	E 1		growth.
		KOLASIB		Weeding should be carried out.
	- 1	Thomas and	×*	Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	- 1	- CO.	_	more so apply any contact poison for
	1			reducing pest population.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	stage	1	4	Collection and destruction of damage
blackgram	- 5	(AIZAWIL)		plant or plant part and spraying of any
bidongiani	1	5		systemic insecticide @ 2ml/lit should
	1			be done.
	- 1		-	Apply 2% urea solution to avoid stress
	1 0			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHN	iF.	provide water every alternate day.
cultivation in	1	V~1	*	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
				be done.
	-		4	Apply 2% urea solution to avoid stress
		LUNGLEL		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	194		provide water every alternate day.
		17	4	Apply split dose of fertilizer for better
				growth.
		(9 20)	+	Collection and destruction of Blister
				beetles and spraying of Neem oil
		3		@3ml/lit should be done.
		A CONTRACTOR OF THE PARTY OF TH	-	Apply split dose of fertilizer for better growth.
VEGETABLE CRO)P	LIAWMETT ALSO		grown:
Ginger and	Harvesting	To samura	4	Turmeric and ginger is harvested when
turmeric	stage		_	leaves start yellowing and ultimately
turment	Stage	1 = 1		the stem dries down.
		60	W	

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Early cole crop Comparison		MAMIT	KOLASIB	 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 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying.
done regularly to keep the crop from weeds and aeration of the rosystem. Remaining quantity of nitrogen applied 30-40 days after transplantin provide irrigation if water is require. Seed treatment with thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl (Apron)/kg seed Apronching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/lt of wat at 10-15 DAS are effective.	•	Vegetative		 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. Intercultural operations should be done regularly to keep the crop free from
Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed Tricho	Onion			done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
French hean Vegetative Possibility of rain will be less coming			Par ?	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
stage five days. So alternate irrigation shou be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from	French bean	Vegetative stage	LAWNGTLAN	Possibility of rain will be less coming five days. So alternate irrigation should

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	Financia (Constitution)		weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant stage	Poly house KOLASIB	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
Brinjal	Fruiting to flowering stage	AIZAWA	 Provide irrigation if water is require. 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. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
Tomato	Transplant stage	LAWNGTLALSAIHA	 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. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato	Vegetative stage	KOLASIB	+ + +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBEI		/ Arzawa	(13- 0 4)	M-Singala Managa 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Pig	All stages	Porcine Reproductive	P + + + 1	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) Culling of positive pigs or piglets.
	. 7	Respiratory Syndrome (PRRS).	3	
Cattle	All age group	LAWNGTLAL	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 wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB 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 MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/Mizo

Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	26	26	26
Min Temp (°C)	12	12	12	12	12
Cloud Coverage	Clear sky				
Max RH (%)	98	98	99	98	97
Min RH (%)	33	27	20	17	19
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Cham

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(09.6mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

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

Maximum Tem. (°C):19-22°C Minimum Tem. (°C):10-12°C Maximum RH (%):84-89% Minimum RH (%):56-62% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 0-2 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 12°C ni tura beisei a ni. RH san lai berin of 97-99% leh a hniam lai berin 17-33% 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.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	(MAMIT	AIZAWL }	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\)	Kell tul lakalı t a veliğ ülel alıl.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			Harvesting Stage
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1	C R	♣ A rah hmin tha lo ho chu nuai sawm
	1 \	20	hmain an thliar hrang leh vek thin ani.
	land and	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	4	()	♣ Hmaih neih nuaih loh tur ani.
)	wy)	♣ Sneg hmaih te lakkhawma paih vek tur
		1	ani.
	¥	the same of the	♣ Seng bang zawng zawng chu uluka taka
	1	7	paih fai vek tur ani.
	1		♣ A thlai vennan a rah tlai ho chu paih vek
	No.		tur ani.
	MAMIT	7	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL Z	👃 Boruak tha taka a hmuh theih nan leh a
	1	Communication 1	rawn chawr no theih nan thlai chu uluk
	1	1	tak a hlawi tur ani.
	1	5	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 5	EC @ 340 ml/200 lit emaw lamda
	A	V 0	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			⁴ In leh loa sawngbawln a a ro dan tur
	11		tawkah chuan: Arabica / robusta
		SERCHN	
	1	V~	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	016		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALC AND	DILL CE CEORG	TO CONTRACT OF THE PARTY OF THE	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		-	1 77
Rabi Maize	A chin hun	n 7~	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
	N	1 6	♣ A chi chu kan lei leh saah chuan kan
			dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		* SAIHA	
		1	vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P_2O_5 leh
	<u> </u>		
			3 P a g e

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

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

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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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	WOOD WOOD	1	1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	GPy)		a puitlingh chuan R ₂ B vaccine pek tur
	5			ani.
)	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. WEINIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL	CH	AMPAI (
	Monitoring		T.	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	-	chauh pek thin tur ani. Sangha chaw a
	,	3 6 (lo hmuar anih chuan pek hma in ni sa
	enkawl)		1	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
		V		thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	1		4	Dil sah kang veka sangha man thin
	1			hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
		2000	-0	dang in dil buatsaih tur ani.
		()	7	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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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/English Date of issue: 23rd January, 2018

Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky				
Max RH (%)	100	100	100	100	100
Min RH (%)	32	26	18	19	19
Wind Speed (KmpH)	2	4	4	4	3
*Wind Direction	E	E	E	S-E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm (11.6mm) (12.1mm)

Saiha- 13.9 mm Kolasib- 21.4mm (10.0mm) (14.4mm)

(11.6mm) Lawngtlai-06.4mm

Lunglei-07.4mm Mamit-24.3mm

Serchhip-17.7mm

(07.1mm)
Weather summary of the past

(08.7mm)

(09.6mm)

(12.9mm)

three days

Maximum Tem. (°C):21-24°C

Minimum Tem. (°C):11-13°C Maximum RH (%):84-89% Minimum RH (%):51-61% Wind Direction: Easterly Cloud cover: Clear sky

Rainfall: 00.0 mm

Wind speed: 1-2 km/hr

Weather forecast valid from 24th January, 2018 To 28th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 8-10°C. Maximum relative humidity is expected in the range of 100% and minimum may from 19-32%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Resth East Region

10 Januari 10 To Januari 10 Januari 10 To Januari 10 Januari 1

Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI MANDARIN AND ACID LIME	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.			
BANANA	}	5	♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain			
STAR FRUIT	MAMIT	AIZAVAL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.			
PLUM AND PEACH	}		Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains.			
		SERCHI	 Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed. 			
	3	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.			
		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	PLANTATION CROP					
COFFEE	Fruiting stage	LAWNGTLAUS	 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. 			
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			Replanting of new seedling 4 Medium to young seedling should be
			support by bamboo stake.
		/	♣ Replace dead plant with young
		2	seedlings.
	1	V comment of	Fertilizer dose should be maintained.
	J.	KOLASIB	Fruiting stage
	1	En.	Foliar application of Mepiquat chloride
	1	7	@ 1000 PPM concentration or 0.75%
)		SSP @ 1.5 g per 200 lt of water 15 days
)	5	interval.
	i i	5	♣ Spray lantana camera leaf paste
	7		around 3 kg/16 lt water which will give
	/ MAMIT	7	effective control against drought
	5	AIZAWA I	condition.
	1	A THE STATE OF THE	■ Due to high humidity, high
	1)	temperature and less rainfall in hilly
	160	6.7	region of the district probability of rust
	- 1		will be high. So apply Hexaconazole @ 1
Dockhou	T7 a mada di ima		ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather record, there is no probability of
	stage	SERCHH	rainfall. So weekly irrigation is required
	1	V	for upcoming week or use straw mulch
			reduces soil water loss.
			Farmers can go for tapping upto last
	1.0		week of January.
	1	LUNGLEI	♣ Make fire line around the field to save
	7	H-1015-1-111	from fire.
		programme and the second	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	-	17	between 4 plants. Store dried leaves in
)		the pit and after 4 months it can use as
)		manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	3	provide water every alternate day.
			4 Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any sulpher based fungicide to reduce
		# SAIHA	disease incidence.
			■ Weeding should to do properly with
		A A	proper fertilizer use.
		6	rpor recomment too.
		1111	3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation			interval
	stage	1	4	Apply 2% urea solution for better
	1 1	E 1		growth.
		KOLASIB		Weeding should be carried out.
	- 1	Thomas and	\ *	Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	- 1	- CO.	_	more so apply any contact poison for
	1			reducing pest population.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	stage	1	4	Collection and destruction of damage
blackgram	- 5	(AIZAWIL)	ui-	plant or plant part and spraying of any
bidongidin	1	5		systemic insecticide @ 2ml/lit should
	1			be done.
	1		-	Apply 2% urea solution to avoid stress
	1 0			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHN	IF.	provide water every alternate day.
cultivation in	1	V~1	-	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
	1			be done.
			4	Apply 2% urea solution to avoid stress
		LUNGLEL		condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Toria	stage	Į ⁿ i.		provide water every alternate day.
		7 7	4	Apply split dose of fertilizer for better
				growth.
		(6 20)	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		30		@3ml/lit should be done.
			-	Apply split dose of fertilizer for better
VEGETABLE CRO	חס	LIAMMETT ALCO		growth.
Ginger and	Harvesting	VI SMITH	4	Turmeric and ginger is harvested when
turmeric	_		_	leaves start yellowing and ultimately
turmeric	stage	1 = 1		the stem dries down.
		6	W	

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			♣ The plants are-cut close to the ground.
			♣ The crop is irrigated lightly for easy
			digging.
	1	1	♣ Harvesting consists of digging of
) \		underground clumps of rhizomes
	1	KOLASIB	with pick axe or digging fork.
	1	NULHOID	Fingers are separated from mother
)	60	rhizomes.
	(3 4 /	♣ Wash clumps of rhizomes with water
	7		and keep it for sundry.
	1	7	♣ Seed stock will be store from partially
			dry sample.
	S conserve		Cut the rhizome to small pieces for
	/ MAMIT	1	proper drying.
Early cole	Vegetative	Z AIZAWL Z	+ According to forecast and past weather
crop	stage	3	record, there is no probability of
)	1	rainfall. So weekly twice irrigation is
	1	3 6 6	required for upcoming week or use straw mulch reduces soil water loss.
			Intercultural operations should be done
			regularly to keep the crop free from
	1)		weeds and aeration of the root system.
		SERCHN	Remaining quantity of nitrogen is
	1	V	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	Intercultural operations should be
Onion	stage	1 bly house	done regularly to keep the crop free
	stage		from weeds and aeration of the root
		LUNGLEI	system.
	7	PARSENT.	Remaining quantity of nitrogen is
	1	- T-	applied 30-40 days after transplanting.
	1	n in	Provide irrigation if water is require.
			♣ Seed treatment with thiram 3g/kg seed or
		Chi Si I	Trichoderma viride 4g+ metalaxyl 4g
		3 1 3 1 3	(Apron)/ kg seed
		J -3 7	Drenching 1% Bordeaux mixture or 2 g
		1	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAL	♣ Possibility of rain will be less coming
Fichen bean	stage	SAIHA	
	SLAGE		be done 2 days interval.
			Intercultural operations should be done
			regularly to keep the crop free from
			- Garage J. C. Land C.

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			weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant	Poly house	♣ Intercultural operations should be done
	stage	5	regularly to keep the crop free from
		KOLASIB	weeds and aeration of the root system. Remaining quantity of nitrogen is
	((applied 30-40 days after transplanting.
)	60	Provide irrigation if water is require.
Brinjal	Fruiting to		According to forecast and past weather
	flowering	Same	record, there is no probability of
	stage	5	rainfall. So weekly twice irrigation is
			required for upcoming week or use
	MAMIT	1	straw mulch reduces soil water loss.
	1	LAIZAWL /	Interculture operation should be done
			near to the base of the plant. Apply split dose of nitrogenous
	1	3	fertilizer to the plant.
Chilli	Vegetative to	1 199	 According to forecast and past weather
	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
		SERCHN	required for upcoming week or use
			straw mulch reduces soil water loss.
	(Interculture operation should be done
	1		near to the base of the plant. Apply split dose of nitrogenous
	- P		fertilizer to the plant.
		LUNGLEL	Staking should be done.
Tomato	Transplant	THE PARTY OF THE P	According to forecast and past weather
	stage	Co.	record, there is no probability of
	- 5	11	rainfall. So weekly twice irrigation is
		91	required for upcoming week or use
		19 6	straw mulch reduces soil water loss.
	1	() 1	Interculture operation should be done near to the base of the plant.
		1	Fertilizer application in split dose of
		Language and	recommended dose.
		LAWNGTLAN	♣ Staking should be done for better fruit
		SAIHA	growth.
		Damping off	Seed treatment with thiram 3g/kg seed or
		201	Trichoderma viride 4g+ metalaxyl 4g

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Potato	Vegetative stage	KOLASIB	+ + +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. 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. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBEI		/ AYZAWA		Walter to be set to the set.
Pig	All stages	Porcine Reproductive	1	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) Culling of positive pigs or piglets.
	-	Respiratory Syndrome (PRRS).	7	
Cattle	All age group	LAWNGTLAL SAIHA	+	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAU	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB 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 MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 24 January – 28 January, 2018

Bulletin No: - 764/2018/ Bulletin/Mizo

	2. J.	P	4.0		
Parameters	24.01.2018	25.01.2018	26.01.2018	27.01.2018	28.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	8	8	9	9	10
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	32	26	18	19	19
Wind Speed (KmpH)	2	4	4	4	3
*Wind Direction	E	E	E	S-E	E

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

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

Aizawl- 18.1mm Cha

Champhai- 12.00mm

Saiha- 13.9 mm

Date of issue: 23rd January, 2018

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(08.7mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm

Mamit-24.3mm

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

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

Maximum Tem. (°C):21-24°C Minimum Tem. (°C):11-13°C Maximum RH (%):84-89% Minimum RH (%):51-61% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 8-10°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 19-32% 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.

(09.6mm)

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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ltural / Horticultural/ animal
husbandry advisories
sik laia thlai bul khoro lutuk tur an chuan hnim hnah hring tlai bul dahkhawm tur ani. naupang deuah chuan chawlh
in a tui pek thin tur ani. tha mamawh tawk a hmuh na turin a hmunhma a hnim awm lawhfai thin tur ani.
ng hma kar 6 chhung chu tui tha pek hian a rah tla tur chelh nan a rah than that nan te leh a rah
ur lakah t a veng thei ani.
erture hniam lutuk leh hnawng vang natna a a tam duh a . Soil bome natna vennan Bordeaux past hi thing zar leh ngah te hnawih tur ani.
zau takah chuan a par tan tirh leh a an tirin chawlhkar hnih chhung chu te hian enkawl tur ani: carbaryl 0.2 nt emaw malathion 0.15 percent ension containing sugar or jeggery at l.
chi thlak hma in Azospirillum leh phobacterium a enkawl tur ani. i hi December – January ah hmun rualrem 1.5 - 2.5 cm a in hlatin numal tak siam in chin tur ani. an a chi chu lei tlem te a chhilh a bawla khuh tur ani. tui pek tur ani a, a sat lutuka loh niin a chhun loh nan zar hliah tur ani ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanta	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		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
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		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-
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
			a pui dawn a ni.
	N.	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		111	3 P a g e

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

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	.±	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} MADMIT	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7	4-5 th Weeks		Calcium tonic fortified with B ₁₂
	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.
		SAIHA		2)

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