

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: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

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 20th January, 2018 To 24thJanuary, 2018.

Maximum Tem. (°C):16-19°C Minimum Tem. (°C):08-10°C Maximum RH (%):81-84% Minimum RH (%):34-42% 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 24-25°C and 7-8°C. Maximum relative humidity is expected in the range of 84-89% and minimum may from 31-43%. Wind direction would be easterly to southeasterly to southeasterly and easterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Support

| Disput Start |

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	1		# A 1
KHASI MANDARIN AND ACID LIME BANANA	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. First harvest can be done 5 to 6 years
	1	3 2	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 ANNA TVON C		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		A consumer as well	the Appendium to Company to an American
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
) \	21	seedlings.
		KOLASIB	♣ Fertilizer dose should be maintained.
	1	NULHOID	Fruiting stage
)	A. A.	Foliar application of Mepiquat chloride
	(3 4 6	@ 1000 PPM concentration or 0.75%
	7		SSP @ 1.5 g per 200 lt of water 15 days
	/	3	interval.
			♣ Spray lantana camera leaf paste around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7. 1/2		condition.
	7	(AIZAVVL	Due to high humidity, high
	1	1	temperature and less rainfall in hilly
	1	(region of the district probability of rust
	9	1 1	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.
	()		♣ Farmers can go for tapping upto last week of January.
	No.	A PARTIES TO	■ Make fire line around the field to save
		LUNGLEI	from fire.
	1/2	and the second	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1	n the	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.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any sulpher based fungicide to reduce
		# SAIHA	disease incidence.
		1	■ Weeding should to do properly with
		4	proper fertilizer use.
	I	6 1	FPo
		11 1	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
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	(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	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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	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.
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
			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.
)	CA.	Provide irrigation if water is require.
Brinjal	Fruiting to	11	♣ According to forecast and past weather
Dillijai	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	AIZAWL I	♣ Interculture operation should be done
	1	Canesaure 1	near to the base of the plant.
	1)	♣ Apply split dose of nitrogenous
	4:		fertilizer to the plant.
Chilli	Vegetative to		According to forecast and past weather
	flowering	~ 7	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is required for upcoming week or use
	-	SERCHN	straw mulch reduces soil water loss.
	-	V Lang	Interculture operation should be done
	5		near to the base of the plant.
	- 1		4 Apply split dose of nitrogenous
			fertilizer to the plant.
		LUNGLEI	staking should be done.
Tomato	Transplant		According to forecast and past weather
	stage	500	record, there is no probability of
	. 7	11	rainfall. So weekly twice irrigation is
	1		required for upcoming week or use straw mulch reduces soil water loss.
		100	Interculture operation should be done
	,	1 60 4	near to the base of the plant.
		1	Fertilizer application in split dose of
		LAWNGTLAL	recommended dose.
		SAIHA	Staking should be done for better fruit
			growth.
		Damping off	Seed treatment with thiram 3g/kg seed or
		200	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		/ ATZAWA		Maine also present lessons in the state of
Pig	All stages	Porcine Reproductive Respiratory	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	Syndrome (PRRS).	1	
Cattle	All age group	LAWNGTLAL	+	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
FISHERY	3	LUNGLEI	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond	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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Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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.

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Weather summary of the past three days

20thJanuary – 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 19th January, 2018

Maximum Tem. (°C):16-19°C Minimum Tem. (°C):08-10°C Maximum RH (%):81-84% Minimum RH (%):34-42%

Wind Direction: southeasterly

Cloud cover: Clear sky Wind speed: 0-2 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 24-25°C a ni ang a. A vawh lai ber in 7-8°C ni tura beisei a ni. RH san lai berin 84-89% leh a hniam lai berin 31-43% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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icultural / Horticultural/ animal
husbandry advisories
nlasik laia thlai bul khoro lutuk tur ennan chuan hnim hnah hring tlai bul elah dahkhawm tur ani. nlai naupang deuah chuan chawlh
er tin a tui pek thin tur ani. eia tha mamawh tawk a hmuh neihna turin a hmunhma a hnim awm e thlawhfai thin tur ani.
seng hma kar 6 chhung chu tui tha ka pek hian a rah tla tur chelh nan h a rah than that nan te leh a rah
eh tur lakah t a veng thei ani.
emperture hniam lutuk leh hnawng vang an natna a a tam duh a . Soil bome natna ka vennan Bordeaux past hi thing zar leh trangah te hnawih tur ani.
uan zau takah chuan a par tan tirh leh a h tan tirin chawlhkar hnih chhung chu eng te hian enkawl tur ani: carbaryl 0.2 ercent emaw malathion 0.15 percent aspension containing sugar or jeggery at 0 g/l.
hlai chi thlak hma in Azospirillum leh hosphobacterium a enkawl tur ani. chi hi December – January ah hmun awl/rualrem 1.5 - 2.5 cm a in hlatin ar mumal tak siam in chin tur ani. huan a chi chu lei tlem te a chhilh a uhpawla khuh tur ani. itin tui pek tur ani a, a sat lutuka loh an niin a chhun loh nan zar hliah tur ni. i 45 hnu velah a tiak thin a,chu chu ag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	3 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALO AND I	NII CE CEORG	THE CONTRACT OF THE CONTRACT O	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		600	Weigning things then the let less let
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 1 1	3 P a g e

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Contract	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	w)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	f.	5 21	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage	1	♣ Muangchang loving alu chin na tur
1 0 0 0 0 0	Downing Stage	(AIZAWL)	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	1	lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	- 1		taka thlawh hmasak tur ani.
	1.0	~ 7	♣ A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		(~)	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		tar por ami tar am
Tomato	Bacterial Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	1		ani.
	5	n Em	Tomato hi a uai a, a thih mai loh nan
			Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah
	1	190	tur ani .
Early Cole	Black spot	1 63 4	👃 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAN	♣ Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
		The second second	

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive Respiratory	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	{	Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	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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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	V C WCCI		1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	GDy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	STATE	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2		`	coccidiostat
	MAINIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AYZAVA	CH	AMPA
TIGHERT	Monitoring	The state of the s	14	Sangha to hi above a houser kai la
	Monitoring	7	1	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)		-	a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	1)		_	hmun ro leh uap lutuk lo ah dahthat
		SERCH	IP.	tur ani a, hmuar atang a tur lo inseam
	1	V~1~		thin, aflatoxin avang a sangha thi lak
	(atangin sangha a him phah thin.
		1	4	Dil sah kang veka sangha man thin
			-	hian a kumleh a sangha khawinan a dil
	1	AMENDS-CO.		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
			1.7	dang in dil buatsaih tur ani.
		5	-	Sangha te natna lak atangin an him em
		17		tih enfiah fo a tha a, natna hmuh anih
	1		1	chuan mithiam te rawn vat a, diltui
		137 6	- 88	enfiah vat tur ani.
	1	(F) A	4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
		Victoria de la constanta de la		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	À	
				7-7
			1	2
		N N	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

			The second secon		
Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm) (10.0mm) ei-07.4mm Mamit-24.3mm (14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

(09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):20-21°C Minimum Tem. (°C):07-08°C Maximum RH (%):84-88% Minimum RH (%):48-56% Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Weather forecast valid from 20th January, 2018 To 24th 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 7-8°C. Maximum relative humidity is expected in the range of 84-89% and minimum may from 31-43%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Renth tent Region

Delawa Int To State On The Control of the Co

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
		SERCH	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	LAWNGTLAL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
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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 V	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	(Fa S	Foliar application of Mepiquat chloride
	1	3	@ 1000 PPM concentration or 0.75%
	- >		SSP @ 1.5 g per 200 lt of water 15 days
)	Similar	interval.
			♣ Spray lantana camera leaf paste
	1	1	around 3 kg/16 lt water which will give
	MAMIT	(effective control against drought
	\$		condition.
	- 1	(AIZAVIL	♣ Due to high humidity, high
	1	5	temperature and less rainfall in hilly
	1	5	region of the district probability of rust
	1	1 5	will be high. So apply Hexaconazole @ 1
	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
	\ 		for upcoming week or use straw mulch
			reduces soil water loss.
			Farmers can go for tapping upto last
		UNION-CO	week of January.
		LUNGLEI	♣ Make fire line around the field to save
	3		from fire.
		500	Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	.7	17	between 4 plants. Store dried leaves in
			the pit and after 4 months it can use as manure.
Strombourn	Vogototimo	100	♣ Possibility of rain will be very less. So
Strawberry	Vegetative	(F) X	provide water every alternate day.
	stage		♣ Possibility to occurrence of Powdery
		Torreson and the	mildew will be high so apply any
		LAWNGTLAND	sulpher based fungicide to reduce
		/ SAIHA	disease incidence.
			♣ Weeding should to do properly with
		A A	proper fertilizer use.
		0 0	rpor roramor eroo.
		1 1 1	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.
	- l	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	stage	1	4	Collection and destruction of damage
blackgram	1	(AIZAWIL)	ui-	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	(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	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.
		The same of the sa	-	Apply split dose of fertilizer for better
VEGETABLE CRO	ID.	LIAWNSTI 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.
			1	

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	MAIMIT	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
		777	5 Page

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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.
Brinjal	Fruiting to flowering stage	AIZAVAL	 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	LAWNGTLANSAIHA	 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	 ♣ 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
FISHERY	1	LUNGLEI	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of		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 few days prior to feeding. Fish feed should be stored in cool and
		1211	dry place to avoid fungal growth that releases aflatoxin which could lead to

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Mizoram Centre, Kolasib- 796081, MIZORAM

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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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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/Mizo

		F -			
Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

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

20thJanuary – 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 19th January, 2018

Maximum Tem. (°C):20-21°C Minimum Tem. (°C):07-08°C Maximum RH (%):84-88% Minimum RH (%):48-56%

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 24-25°C a ni ang a. A vawh lai ber in 7-8°C ni tura beisei a ni. RH san lai berin of 84-89% leh a hniam lai berin 31-43% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	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	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.
		1	♣ A rah hmin tha lo ho chu nuai sawm
	1. 1	5	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1 3	borer	ani.
	1	borer	Hmaih neih nuaih loh tur ani.
)	LA .	♣ Sneg hmaih te lakkhawma paih vek tur
	(3 4 6	ani.
	7		4 Seng bang zawng zawng chu uluka taka
	1	7	paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	8	0	tur ani.
	/ MAMIT	X 7	Hmun dam lutukah dah loh tur.
	5	Z AIZAWL Z	+ Boruak tha taka a hmuh theih nan leh a
	1	Annual Control	rawn chawr no theih nan thlai chu uluk
	1	j y	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25
	1	1	EC @ 340 ml/200 lit emaw lamda
) 0		cyhalothrin 5 EC 120 – 160 ml / 200 lit. In leh loa sawngbawln a a ro dan tur
	100		tawkah chuan: Arabica / robusta
		SERCHN	
		SERUMA	robusta cherry 11.0 %.
	· ·	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
	1.0		♣ Bordeaux mixture 0.5% in February -
	1		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		THE STREET	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Y***	
Rabi Maize	A chin hun 📜	n ?~~	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	11	1 50 7	4 A chi chu kan lei leh saah chuan kan
		A	dah ang.
		A commence of	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	0 -0 1-6/ 1-10 vor a oraș arrivar 111 a aunii
			vel viau ani.
		1	♣ A chi tuh hma in lei leh FYM @5-10
		000	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		114	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		11-34	# 70 v 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	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	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures			1-6 ah F1 vaccine pek tur ani a, chuan
		W)		a puitlingh chuan R2B vaccine pek tur
)			ani.
	1	STATE	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAINIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	A AIZAVIL	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha			chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 63		lo hmuar anih chuan pek hma in ni sa
	Olliaw1,	V S	-	a phoro phawt tur ani.
	100		4	Sangha chaw hi a hmuar lohna turin
		SERCH	and the same	hmun ro leh uap lutuk lo ah dahthat
		SERUM	111	tur ani a, hmuar atang a tur lo inseam
	V			thin, aflatoxin avang a sangha thi lak
		1		atangin sangha a him phah thin.
			-	Dil sah kang veka sangha man thin
	100			hian a kumleh a sangha khawinan a dil
		LUNGLEI	00	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
	1	500	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em
		11	7	tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
		135 6	8	enfiah vat tur ani.
		(F) A	4	A ranglam a chinai @50kg/ha leh
		1	120	tuisen @1.5mg/l diltui a hman hian
		1		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	A.	
				T-1
			1	9
		EN 150	1	

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SAIHA

LAWNGTLAL

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



District: Kolasib Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
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Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	83
Min RH (%)	46	46	42	38	36
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-E	S-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

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(11.6mm)

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(12.9mm)

Weather summary of the past three days Maximum Tem. (°C):20-22°C Minimum Tem. (°C):11-12°C

Minimum Tem. (°C):11-12°C Maximum RH (%):87-89% Minimum RH (%):61-72% Wind Direction: Easterly

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

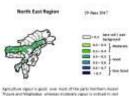
Rainfall: 00.0 mm

Weather forecast valid from 20th January, 2018 To 24th 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 83-88% and minimum may from 36-46%. Wind direction would be easterly to 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



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	}	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	}		 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
		SERCH	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.
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			Replanting of new seedling
			♣ Medium to young seedling should be
		6	support by bamboo stake.
	()	1	♣ Replace dead plant with young
) [seedlings.
	1	V contractor (♣ Fertilizer dose should be maintained.
	1	KOLASIB	Fruiting stage
	1	En.	Foliar application of Mepiquat chloride
	1	77 2 2	@ 1000 PPM concentration or 0.75%
)		SSP @ 1.5 g per 200 lt of water 15 days
	7	5	interval.
	1		♣ Spray lantana camera leaf paste
	K	(around 3 kg/16 lt water which will give
	J' MAMIT	1	effective control against drought
	§	Z AIZAWL I	condition.
)	Varieties.	♣ Due to high humidity, high
))	temperature and less rainfall in hilly
	1	3 6 6	region of the district probability of rust
	- 1		will be high. So apply Hexaconazole @ 1
D-11	77		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	V	for upcoming week or use straw mulch
	1		reduces soil water loss.
	1		Farmers can go for tapping upto last
			week of January.
		LUNGLEI	♣ Make fire line around the field to save
)	rollogen.	from fire.
		and the second	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	1	n to	between 4 plants. Store dried leaves in
			the pit and after 4 months it can use as
			manure.
Strawberry	Vegetative	3	♣ Possibility of rain will be very less. So
	stage	35	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
			proper fertilizer use.
		T N	3 P a g e
		100	3 1 a g e

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	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.
	- l	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
	Į.			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	1	(AIZAWIL)		plant or plant part and spraying of any
bidongram	1	5		systemic insecticide @ 2ml/lit should
	1			be done.
	1		-	Apply 2% urea solution to avoid stress
	10			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	(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	4	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	ND.	LIAMMETT ALSO		growth.
		/- SAIIIA	-	Turmeric and ginger is howested when
Ginger and	Harvesting		-	Turmeric and ginger is harvested when leaves start yellowing and ultimately
turmeric	stage	1	-	the stem dries down.
		m 15 (the Stelli unes down.

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Early cole crop Stage **According to forecast and past were record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or straw mulch reduces soil water loss. Intercultural operations should be regularly to keep the crop free weeds and aeration of the root syst. Remaining quantity of nitroger applied 30-40 days after transplant done regularly to keep the crop from weeds and aeration of the system. Remaining quantity of nitroger applied 30-40 days after transplant provide irrigation if water is required. Seed treatment with thiram 3g/kg see Trichoderma viride 4g+ metalaxy (Apron)/ kg seed. Drenching 1% Bordeaux mixture on captan or 3 copper oxychloride/ lt of at 10-15 DAS are effective.		MAIMIT	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 done regularly to keep the crop from weeds and aeration of the system. Remaining quantity of nitroger applied 30-40 days after transplanty Provide irrigation if water is required. Seed treatment with thiram 3g/kg set Trichoderma viride 4g+ metalaxy (Apron)/kg seed Drenching 1% Bordeaux mixture or captan or 3 copper oxychloride/lt of the stage.	•	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+ metalaxy (Apron)/ kg seed Trichoderma viride 4g+ metalaxy (Apron)/ kg se	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. Provide irrigation if water is require.
			Par!	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
stage five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be regularly to keep the crop free	French bean	Vegetative stage	LAWNGTLAN	Possibility of rain will be less coming five days. So alternate irrigation should

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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 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.
Brinjal	Fruiting to flowering stage		 Provide irrigation if water is require. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
	MAMIT	AIZAWL	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	LAWNGTLANSAIHA	 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		Walter to be set to the set.
Pig	All stages	Porcine Reproductive Respiratory	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	Syndrome (PRRS).	3	
Cattle	All age group	LAWNGTLAL	+	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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District: Kolasib Period: 20 January - 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/Mizo

	2	P.	5		
Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	24	24	25	25
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	83
Min RH (%)	46	46	42	38	36
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-E	S-E	S-E	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

20thJanuary – 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 19th January, 2018

Maximum Tem. (°C):20-22°C Minimum Tem. (°C):11-12°C Maximum RH (%):87-89% Minimum RH (%):61-72% 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 10-11°C ni tura beisei a ni. RH san lai berin 83-88% leh a hniam lai berin 36-46% 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

Mildly dry condition occurs in all districts of Mizoram.

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Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga	T	Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul
u song nun	LA,	velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh
1	£ (kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
\$ MAMIT	D17.0100	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
1)	keh tur lakah t a veng thei ani.
15	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
	LUNGER	
All stages	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.
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP All stages

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		7	tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		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
	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	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	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	
	measures	V C WOOM	1	1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	GO)		a puitlingh chuan R ₂ B vaccine pek tur
	8			ani.
	3	San Land	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	2		-	coccidiostat
) MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	4	AYZAVA	CH	AMPA
110112111	Monitoring		T.	Sangha te hi chaw a hmuar kai lo
		1		chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 2 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
	1	V		thin, aflatoxin avang a sangha thi lak
	1			atangin sangha a him phah thin.
		100	4	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
	1	MEANER		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	182	phoro, chinai phul, leitha hman leh tul
			1	dang in dil buatsaih tur ani.
		5	-	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
	1	2	1	chuan mithiam te rawn vat a, diltui
		700	8	enfiah vat tur ani.
		1 61 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	4	
				V-
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

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):21-22°C Minimum Tem. (°C):10-12°C

Maximum RH (%):87-94% Minimum RH (%):34-42% Wind Direction: Easterly

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

Rainfall: 00.0 mm

Weather forecast valid from 20th January, 2018 To 24thJanuary, 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 7-8°C. Maximum relative humidity is expected in the range of 84-89% and minimum may from 31-43%. Wind direction would be southeasterly to easterly to southeasterly and southeasterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Reach East Segmen

Approximately to good one hand of the cart is touchen share.

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

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CEREALS AND P	ULSE 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 AIZAWIL I	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
	0	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
			٠.	be done.
	1	MEMBERS	*	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 tiliage		provide water every alternate day.
1011a	Stage	m Em	-	Apply split dose of fertilizer for better
		31		growth.
		Chi Se l	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		-5		@3ml/lit should be done.
			+	Apply split dose of fertilizer for better
TIPODMADI D. CO.	ND.	LIAWNETIAL		growth.
VEGETABLE CRO		III. Jamina		Transports and singer is homestad advantage
Ginger and	Harvesting		-	Turmeric and ginger is harvested when leaves start yellowing and ultimately
turmeric	stage	1	170	the stem dries down.
		6	VU.	the stelli tiles towii.

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Early cole crop Stage According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or ustraw mulch reduces soil water loss. Intercultural operations should be do regularly to keep the crop free froweeds and aeration of the root system. Remaining quantity of nitrogen applied 30-40 days after transplanting done regularly to keep the crop from weeds and aeration of the root system. Intercultural operations should done regularly to keep the crop from weeds and aeration of the root system. Remaining quantity of nitrogen applied 30-40 days after transplanting the provide irrigation if water is require. Seed treatment with thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ It of wat at 10-15 DAS are effective. French bean Vegetative Possibility of rain will be less coming the content of the root system. Prescription of the root system.		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 done regularly to keep the crop fr from weeds and aeration of the respective. Remaining quantity of nitrogen applied 30-40 days after transplanting provide irrigation if water is require. Seed treatment with thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed Image:	· ·	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.
Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed Possibility of rain will be less coming five days. So alternate irrigation show	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.
stage SAIHA five days. So alternate irrigation show			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
Intercultural operations should be do regularly to keep the crop free from	French bean	_	LAWNGTLAN	Possibility of rain will be less coming five days. So alternate irrigation should

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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 I	Interculture operation should be done near to the base of the plant.
	1		Apply split dose of nitrogenous
	1	(fertilizer to the plant.
Chilli	Vegetative to	121	♣ 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
	1		straw mulch reduces soil water loss.
	1		Interculture operation should be done near to the base of the plant.
	1		♣ Apply split dose of nitrogenous
	1		fertilizer to the plant.
		LUNGLEL	Staking should be done.
Tomato	Transplant	- TANKA SPANIA	♣ According to forecast and past weather
	stage	5%	record, there is no probability of
	. 7	11	rainfall. So weekly twice irrigation is
	1		required for upcoming week or use straw mulch reduces soil water loss.
		100	Interculture operation should be done
		1 60 4	near to the base of the plant.
		A	Fertilizer application in split dose of
		LAWNGTLANS	recommended dose.
		SAIHA	staking should be done for better fruit
			growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		n 1 1	1 Thenouerma viriue 4g+ illetalaxyl 4g

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Potato	Vegetative stage	KOLASIB		one near to the of tubers one state weather obability of irrigation is reek or use
ANIMAL HUSBEN	NDARY		fertilizer.	
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	Animals must keep in d kept in alleviated area and (straw) to be provided animals. Ist injection at 6 months 2nd injection at 12 mor followed by annual vaccin vet supervision against FM Reduce concentrate diet up Provide adequate potable w In present weather vaccinate against swine few available in State Veterinar 1. Culling of positive pigs or	dry bedding to young of age and oths of age ation under D. to 5%. vater. conditions er (Vaccines by Departs)
Cattle	All age group	LAWNGTLAL	In present weather conditicate should be taken again maggots in the wounds Application of turpentine wounds followed by appantibiotics for five days is at Provide UMB/Molases if poffeed Provide 10-30 ml of vitaming	ast attack of of animals. oil in the plication of dvised. ssible in the

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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	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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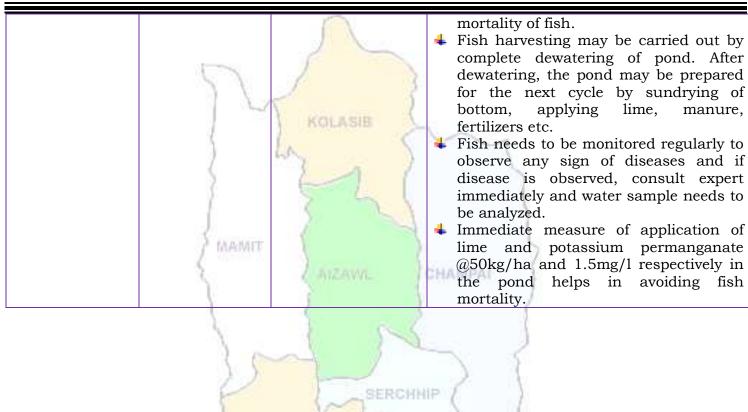
ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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LUNGLE

LAWNGTLAL

SAIHA

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



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SAIHA

LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 20 January - 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/Mizo

Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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- October 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 283.0mm

Champhai- 0.00mm

Saiha- 57.9 mm

Kolasib- 50.0mm

(44.8mm)

(35.9mm)

(33.7mm)

(64.0mm)

(34.8mm)

Lawngtlai-135.3mm

Lunglei-130.3mm

Mamit-231.0mm (17.9mm) Serchhip-234.8mm (56.3mm)

Weather summary of the past

three days

(54.1mm)

20thJanuary - 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):21-22°C Minimum Tem. (°C):10-12°C Maximum RH (%):87-94% Minimum RH (%):34-42% 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 7-8°C ni tura beisei a ni. RH san lai berin 84-89% leh a hniam lai berin 31-43% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian

khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Rainfall: 00.0 mm

Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A Irvi otongo	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V comment of	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A.	4 Thlai naupang deuah chuan chawlh
	(3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
	- 1	5 2	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	1	/	4 A seng hma kar 6 chhung chu tui tha
STAR FROIT	MAMIT		taka pek hian a rah tla tur chelh nan
	5	AIZAWL I	leh a rah than that nan te leh a rah
PLUM AND	1	Valletine.	keh tur lakah t a veng thei ani.
PEACH	1)	
	1	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang
		canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
	1	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
		Fruit Hy ROHN	rah tan tirin chawlhkar hnih chhung chu
	1		heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	HAND ADDRESS.	Nursery stage
	-	200	Thlai chi thlak hma in Azospirillum leh
	4	17 /2	Phosphobacterium a enkawl tur ani.
		3	A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin
		9 2	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		(3)	buhpawla khuh tur ani.
		1	♣ Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		SAIHA	33227
			♣ Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
		the Colonial	

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	3.1	- F	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(BOICI	♣ Hmaih neih nuaih loh tur ani.
)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	1	3	paih fai vek tur ani.
		27	♣ A thlai vennan a rah tlai ho chu paih vek
	S and the		tur ani.
	J' MAMIT	S	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
)		rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
			robusta cherry 11.0 %.
	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-
OPPEALS AND I	DILL CE CDODG	THERMAN	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	A chin hun		Wainsing allings ton stan lei land let
Radi Maize	A chin hun	10	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
		2 1 3 3	a pui dawn a ni.
	N) -5	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.
		SAINA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			4 A chi tuh hma in lei leh FYM @5-10
		0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 1 1	3 P a g e

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	1		
	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	OP		
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	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	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCR	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	wy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	San La	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	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 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	IIP.	tur ani a, hmuar atang a tur lo inseam
	l l			thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 1		4	Dil sah kang veka sangha man thin
	- 1		-	hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	3	the All House	I	phoro, chinai phul, leitha hman leh tul
	2.7	CC-		dang in dil buatsaih tur ani.
		17	7	Sangha te natna lak atangin an him em
			- (0	tih enfiah fo a tha a, natna hmuh anih
		19 76		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			4	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.
		SAIHA	1	<u> </u>
				~- ¹
			1	2
		1 / m	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: Lunglei Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	24	24	25	25
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	83
Min RH (%)	46	46	42	38	36
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-E	S-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 C

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

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

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

Rainfall: 00.0 mm

Wind speed: 0-2 km/hr

(08.7mm) (09.6mm) (12.9mm) Weather forecast valid from 20th January, 2018 To 24thJanuary, 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 83-88% and minimum may from 36-46%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Renth test Region

19 January 119

10 Januar

Mildly dry condition occurs in all districts of Mizoram.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI 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	AIZAWL	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.
		1 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
	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	A ATZAVVIL	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 6 (will be high. So apply Hexaconazole @ 1
	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	m 8~~	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)	ui-	plant or plant part and spraying of any
bidongidiii	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	194		provide water every alternate day.
		17 1	4	Apply split dose of fertilizer for better
				growth.
		(19 74)	4	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			the stem dries down.
		Co Co	VII.	·

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	getative stage	AIZAWL	proper drying. 4 According to forecast and past weather
	P	SERCHH	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 peration of the root system.
1	getative 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.
		N	 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.
	getative stage	LAWNGTLAL	4 Possibility of rain will be less coming

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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	 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		/ AYZAWA	Char	Walter to be set to the set.
Pig	All stages	Porcine Reproductive Respiratory	P +++	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.
	**	Syndrome (PRRS).	1	
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
FISHERY	1	LUNGLEI	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of	75	♣ 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 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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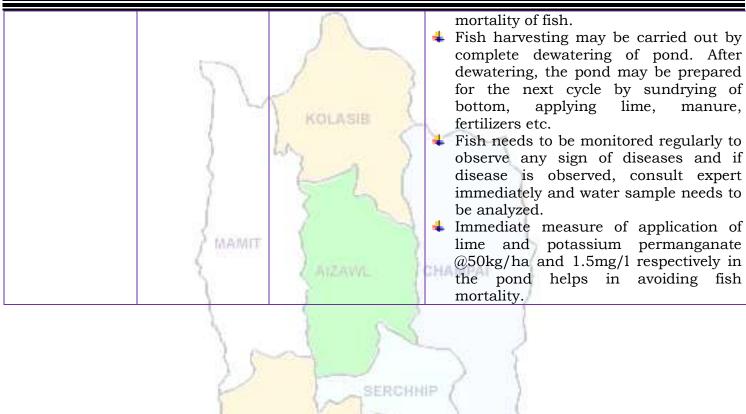


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LUNGLE

LAWNGTLAL

SAIHA

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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: Lunglei Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/Mizo Date of issue: 19th January, 2018

	1. 1	P	(
Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	24	24	25	25
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	83
Min RH (%)	46	46	42	38	36
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-E	S-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

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

20thJanuary – 24th 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 24-25°C a ni ang a. A vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 83-88% leh a hniam lai berin 36-46% 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

North East Region 22 Area 2017

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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	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		7	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha				
PLUM AND PEACH	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.				
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.				
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.				
PLANTATION CR							
COFFEE	All stages	LAWNGTLAUSAIHA	 Nursery stage ♣ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ♣ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ♣ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ♣ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ♣ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. 				
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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	- Y	The state of the s	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1.7		EC @ 340 ml/200 lit emaw lamda
)		cyhalothrin 5 EC 120 – 160 ml / 200 lit. In leh loa sawngbawln a a ro dan tur
	100		tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLEGE ITEMS	dang te paihpaih vek tur ani.
	- 1		Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMMON CO.	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun		✓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		3 7 6 1	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(-9 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 5	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
	I		
			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	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongohang laying alu ahin na tun
Potato	Sowing stage	LAIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	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 swat		tur ani . 4 A than a that theih nan nikhat danah
Early Cole	Black spot disease	20 1	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	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	
	measures	/_		1-6 ah F1 vaccine pek tur ani a, chuan
	11104154105	60°y		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	San Land	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	1	/	_	coccidiostat
	/ MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		1 0 WCCRS	CHI	edicidii toilic fortifica with B ₁₂
FISHERI	Ter. 11 1	Conserva-	301.00	
	Monitoring)	*	Sangha te hi chaw a hmuar kai lo
	(Sangha	2 2 /		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	3 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	(IP)	hmun ro leh uap lutuk lo ah dahthat
		V~1		tur ani a, hmuar atang a tur lo inseam
	(thin, aflatoxin avang a sangha thi lak
		1		atangin sangha a him phah thin.
	100		-	Dil sah kang veka sangha man thin
		Unit Charles		hian a kumleh a sangha khawinan a dil
		LUNGLEI	(9)	buatsaih a ti awlsam a, dil mawng
	- 3		9	phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		111	10	tih enfiah fo a tha a, natna hmuh anih
			10	chuan mithiam te rawn vat a, diltui
	1	1 7 6		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		3		tuisen @1.5mg/l diltui a hman hian
		Language and the second		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	A.	<u> </u>
				T-1
			1	2
		116	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	24	24	25	25
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	83
Min RH (%)	46	46	42	38	36
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-E	S-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

Saiha- 13.9 mm Kolasi

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):20-21°C Minimum Tem. (°C):09-11°C

Maximum RH (%):87-94%

Minimum RH (%):54-64% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 20th January, 2018 To 24thJanuary, 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 83-85% and minimum may from 36-46%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Nerth test Region

19 January 197

19 Januar

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	AIZAWL	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 LUNGLEI	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 CROP					
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. 		
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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
		1	♣ Replace dead plant with young
) [1	seedlings.
	The state of	V comment of	Fertilizer dose should be maintained.
	J.	KOLASIB	Fruiting stage
	1	En	Foliar application of Mepiquat chloride
	1	77 - 7	@ 1000 PPM concentration or 0.75%
)		SSP @ 1.5 g per 200 lt of water 15 days
	7	5	interval.
	Í	5	♣ Spray lantana camera leaf paste
	7	(around 3 kg/16 lt water which will give
	J' MAMIT	3	effective control against drought
	5	Z AIZAWL I	condition.
	1	A THE STATE OF THE	■ Due to high humidity, high
	1)	temperature and less rainfall in hilly
	1	3 6 /	region of the district probability of rust
			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
	1	V	rainfall. So weekly irrigation is required
	1		for upcoming week or use straw mulch reduces soil water loss.
	1	11.50	Farmers can go for tapping upto last
	Ji i		week of January.
	1	A Control 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)
		m Em	between 4 plants. Store dried leaves in
			the pit and after 4 months it can use as
	(C Variable Sale Va	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage) =3 Y	provide water every alternate day.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAN	mildew will be high so apply any
		SAIHA	sulpher based fungicide to reduce
			disease incidence.
			♣ Weeding should to do properly with
			proper fertilizer use.
		6 1 3	2 D o o o
		-	3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle formation	2	+	Irrigation should be provide 3 days interval
	stage		4	Apply 2% urea solution for better
	stage	2		growth.
	1	V	4	Weeding should be carried out.
		KOLASIB	4	Provide irrigation twice in a week or
	1	En S		grow any cover crop in surface of the
	/	" 1		soil.
	7		+	Leaf and stem cutter insect will be
	1	2 5		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 AIZAWIL I	C T	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 6	4	Apply 2% urea solution to avoid stress
	1	- 1 3 A		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Soybean	stage	SERCHN	i =	provide water every alternate day.
cultivation in		(Section 1	+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should
			= .	be done.
		Milliones	*	Apply 2% urea solution to avoid stress
Zone tillege	Flowering	Zono tillogo		condition. Possibility of rain will be very less. So
Zero tillage Toria		Zero tillage	_	provide water every alternate day.
Toria	stage	m 850	-	Apply split dose of fertilizer for better
		11		growth.
		Car See 1	4	Collection and destruction of Blister
		3 1 5 5 1		beetles and spraying of Neem oil
		1 55		@3ml/lit should be done.
			4	Apply split dose of fertilizer for better
		CHARLEMANNIL		growth.
VEGETABLE CRO		il. /e semine		m
Ginger and	Harvesting	(+	Turmeric and ginger is harvested when
turmeric	stage	1	0	leaves start yellowing and ultimately the stem dries down.
		200		the stem aries down.

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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 2graptan or 3gropper oxychloride/ lt of water 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. Image: Remaining quantity of nitrogen is applied 30-40 days after transplanting provide irrigation if water is require. Image: Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4g/(Apron)/kg seed Image: Description of the root system. Image: Provide irrigation if water is require. Image: Provide irrigation if water is require.<	•	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
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.
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			Par 1	(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	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.
		(3)	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 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	P +++	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	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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Mizoram Centre, Kolasib- 796081, MIZORAM

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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: Mamit Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/Mizo

Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	24	24	24	25	25
Min Temp (°C)	11	11	11	10	10
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	83
Min RH (%)	46	46	42	38	36
Wind Speed (KmpH)	3	3	3	3	2
*Wind Direction	S-E	S-E	S-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

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(08.7mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

20thJanuary – 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):20-21°C Minimum Tem. (°C):09-11°C Maximum RH (%):87-94% Minimum RH (%):54-64% 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 10-11°C ni tura beisei a ni. RH san lai berin 83-85% leh a hniam lai berin 36-46% 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

Mildly dry condition occurs in all districts of Mizoram.

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husbandry advisories Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh
vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh
vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh
vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh
Leia tha mamawh tawk a hmuh
theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
keh tur lakah t a veng thei ani.
Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. A chi hi December − January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
		2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(f., (
)	60°y	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani. Hmun dam lutukah dah loh tur.
	7. 10.55		Boruak tha taka a hmuh theih nan leh a
	7.	Z ATZAVVIL	rawn chawr no theih nan thlai chu uluk
	1	2	tak a hlawi tur ani.
	1		4 Chuan hei hian kah tur ani. Quinalphos 25
	16	3 64 6	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			➡ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		0 00 00	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.
			March (Pre-bloom) a kah phawt a,
	The same of the sa	AVIEWS THE	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	- E	✓ Vaimim chinna tur atan lei kan let
		17	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIN	3 P a g e

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Soybean, pea,	All stage	Zero tillage	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. ♣ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zeio tinage	 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			Towards hills about all lab as hi
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	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	{ MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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	♣ Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	mousures	GP)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	7	STATE	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	12			coccidiostat
	/ MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1		lo hmuar anih chuan pek hma in ni sa
	CIIRAWI	V V		a phoro phawt tur ani.
	16 6		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
	l l	V Lang		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
		LUNGLEI	0.0	buatsaih a ti awlsam a, dil mawng
	3	(TOTAL SHATE)	1	phoro, chinai phul, leitha hman leh tul
		000		dang in dil buatsaih tur ani.
		10	1	Sangha te natna lak atangin an him em
			- (0	tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui
	1	1 9 8		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	4	5 5
				T-1
			1	7
		N 1	5	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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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: 20 January - 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

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

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Weather forecast valid from 20th January, 2018 To 24thJanuary, 2018.

(09.6mm)

Maximum Tem. (°C):18-21°C Minimum Tem. (°C):08-11°C Maximum RH (%):84-88% Minimum RH (%):46-58% 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 24-25°C and 7-8°C. Maximum relative humidity is expected in the range of 84-89% and minimum may from 31-43%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 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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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	}	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			 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	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.
		1 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
	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. 17.25		condition.
	3	A ATZAVVIL	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 64 (will be high. So apply Hexaconazole @ 1
	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	m 8~~	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)	ui-	plant or plant part and spraying of any
bidongidiii	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	194		provide water every alternate day.
		17 1	4	Apply split dose of fertilizer for better
				growth.
		(19 70)	4	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			the stem dries down.
		Co Co	VII.	·

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	getative stage	AIZAWL	proper drying. 4 According to forecast and past weather
	P	SERCHH	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 peration of the root system.
1	getative 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.
		N	 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.
	getative stage	LAWNGTLAL	4 Possibility of rain will be less coming

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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		/ AYZAWA	Char	Walter to be set to the set.
Pig	All stages	Porcine Reproductive Respiratory	P +++	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.
	**	Syndrome (PRRS).	1	
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
FISHERY	1	LUNGLEI	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of	75	♣ 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 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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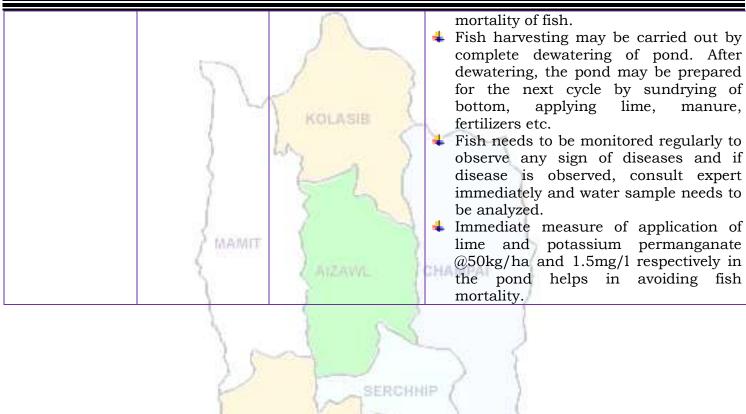


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LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)
Cloud Coverage

GRAMIN KRISHI MAUSAM SEWA

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District: Saiha Period: 20 January - 24 January, 2018

21.01.2018

0

25

Clear sky

85

43

3

Bulletin No: - 763/2018/ Bulletin/Mizo

20.01.2018

0

25

Clear sky

85

40

3

S-E

3		
22.01.2018	23.01.2018	24.01.2018
0	0	0
25	24	25
7	8	8
Clear sky	Clear sky	Clear sky
88	84	89

32

3

S-E

Date of issue: 19th 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)

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm

3

Kolasib- 21.4mm

3

 \mathbf{E}

(11.6mm)

(12.1mm)

(08.7mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Wind Speed (KmpH)

*Wind Direction

Lunglei-07.4mm

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

20thJanuary – 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):18-21°C Minimum Tem. (°C):08-11°C Maximum RH (%):84-88% Minimum RH (%):46-58% 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 7-8°C ni tura beisei a ni. RH san lai berin of 84-89% leh a hniam lai berin 31-43% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

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]	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	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
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(f., (
)	60	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani. Hmun dam lutukah dah loh tur.
	7. 10.55		Boruak tha taka a hmuh theih nan leh a
	7.	√ AIZAVVI	rawn chawr no theih nan thlai chu uluk
	1	2	tak a hlawi tur ani.
	1		4 Chuan hei hian kah tur ani. Quinalphos 25
	16	3 64 6	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			♣ In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		SERCHN	
		0 00 00	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
	The same of the sa	AVIEWS THE	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	- E	✓ Vaimim chinna tur atan lei kan let
		17	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(dah ang.
		land and the second	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
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Contract	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	w)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	f.	5 2	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage	1	♣ Muangchang loving alu chin na tur
1 0 0 0 0 0	Downing Stage	(AIZAWL)	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	1	lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	- 1		taka thlawh hmasak tur ani.
	1.0	~ 7	♣ A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani.
		(~)	A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR	OP		tar por ami tar am
Tomato	Bacterial Bacterial		4 Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	1		ani.
	5	n Em	Tomato hi a uai a, a thih mai loh nan
			Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah
	1	190	tur ani .
Early Cole	Black spot	1 63 4	👃 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
		LAWNGTLAN	♣ Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
		The second second	

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	5		awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
	1	KOLASIB	@ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi
	{	AIZAWL	tui liter 1 zelah pawlh a kah hi a tha
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	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	LAWNGTLAN	 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
		SAIHA	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 Respiratory	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	{	Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	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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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	V C WCCI		1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	GDy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	STATE	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2		`	coccidiostat
	MAINIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	4	AYZAVA	CH	AMPA
TIGHERT	Monitoring	The state of the s	14	Sangha to hi above a houser kai la
	Monitoring	7	1	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)		-	a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	1)		_	hmun ro leh uap lutuk lo ah dahthat
		SERCH	IP.	tur ani a, hmuar atang a tur lo inseam
	1	V~1~		thin, aflatoxin avang a sangha thi lak
	(atangin sangha a him phah thin.
		1	4	Dil sah kang veka sangha man thin
			-	hian a kumleh a sangha khawinan a dil
	1	AMENDS-CO.		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
			1.7	dang in dil buatsaih tur ani.
		5	-	Sangha te natna lak atangin an him em
		17		tih enfiah fo a tha a, natna hmuh anih
	1		1	chuan mithiam te rawn vat a, diltui
		137 6	- 88	enfiah vat tur ani.
	1	(F) A	4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
		Victoria de la constanta de la		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
		SAIH	À	
				7-7
			1	2
		N N	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/English Date of issue: 19th January, 2018

Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

(11.6mm) Lawngtlai-06.4mm

Lunglei-07.4mm

(10.0mm)

(14.4mm) Serchhip-17.7mm

(07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

(12.9mm)

Weather summary of the past three days Maximum Tem. (°C):19-21°C

Minimum Tem. (°C):11-14°C Maximum RH (%):87-89%

Minimum RH (%):41-49% Wind Direction: Easterly Cloud cover: Clear sky

Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 20th January, 2018 To 24th 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 7-8°C. Maximum relative humidity is expected in the range of 84-89% and minimum may from 31-43%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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	}	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.		
		SERCH	 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 CROP					
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. 		
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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	1	seedlings.
		7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	4	En 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
)	Same	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	AIZAWA 1	condition.
	1	Gamerine.	■ Due to high humidity, high
	1)	temperature and less rainfall in hilly
	1	6.7	region of the district probability of rust
	- 1		will be high. So apply Hexaconazole @ 1
Rubber	T7 a madaddina		ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather 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
	1	***	week of January.
		LUNGLEI	♣ Make fire line around the field to save
	3		from fire.
	50	200	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
		W ()	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. Possibility to accurrence of Powdery
			♣ Possibility to occurrence of Powdery mildew will be high so apply any
		LAWNGTLAL	sulpher based fungicide to reduce
		/ SAIHA	disease incidence.
			♣ Weeding should to do properly with
		4	proper fertilizer use.
	I	6 1	1
		1 6	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-0		growth.
		KOLASIB		Weeding should be carried out.
	- 1	Thomas and	\ *	Provide irrigation twice in a week or
)	an I		grow any cover crop in surface of the soil.
	(1 1		Leaf and stem cutter insect will be
	3		_	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 timage		provide water every alternate day.
and	stage	1	4	Collection and destruction of damage
blackgram	- 5	(AIZAWL)	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	(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 ^m .		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
		3		@3ml/lit should be done.
		The same of the sa	*	Apply split dose of fertilizer for better
VEGETABLE CRO	ND	LI MANAGET ALCO		growth.
Ginger and	Harvesting	VI SAIIIA	4	Turmeric and ginger is harvested when
turmeric	_		_	leaves start yellowing and ultimately
turmeric	stage	1 = 1		the stem dries down.
		60	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. Seed treatment with thiram 3g/kg seed on 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 Vegetative stage Intercultural operations should be done 2 days interval. Intercultural operations should be done 2 days interval.		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.
Onion Vegetative stage Poly house Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the roof 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 on 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 Vegetative stage Intercultural operations 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 aeration of the root system. Remaining quantity of nitrogen is
# Seed treatment with thiram 3g/kg seed on 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. # Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. # Intercultural operations should be done	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.
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			Par 1	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
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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	Farmer 111	1	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.
Brinjal	Fruiting to flowering stage		 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
	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 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. Staking should be done.
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		/ AYZAWI		Animals must keep in dry place or
Pig	All stages	Porcine Reproductive Respiratory	1	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	Syndrome (PRRS).		
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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		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
FISHERY	3	LUNGLEI	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of		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 few days prior to feeding. Fish feed should be stored in cool and
		1211	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

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District: Serchhip Period: 20 January – 24 January, 2018

Bulletin No: - 763/2018/ Bulletin/Mizo

	1.0	P	5		
Parameters	20.01.2018	21.01.2018	22.01.2018	23.01.2018	24.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	7	7	7	8	8
Cloud Coverage	Clear sky				
Max RH (%)	85	85	88	84	89
Min RH (%)	40	43	37	32	31
Wind Speed (KmpH)	3	3	3	3	3
*Wind Direction	S-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

hai- 12.00mm Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(08.7mm)

(10.0mm)

Date of issue: 19th January, 2018

(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

20thJanuary – 24th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

(09.6mm)

Maximum Tem. (°C):19-21°C Minimum Tem. (°C):11-14°C Maximum RH (%):87-89% Minimum RH (%):41-49% 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 7-8°C ni tura beisei a ni. RH san lai berin 84-89% leh a hniam lai berin 31-43% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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

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		17	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.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		7	tak a hlawi tur ani.
	Y.)	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		↓ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	37. hadaa ah ka ah
Rabi Maize	A chin hun	n to	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Lamoretan	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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South of the state	57		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	w)	♣ Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	2		khuh tur ani.
rice fellow Potato	Sowing stage		♣ Muangchang loving alu chin na tur
Totato	bowing stage	/ AIZAWL /	chu buatsaih vat tur ani.
	1	1	Hei hian a than hun laiin natna hrikin
	1	(lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai
	1		taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
		SEROUN.	hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP		tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	3		ani.
		- Em	Tomato hi a uai a, a thih mai loh nan
		11	Ridomil emaw Indofil emaw Mancozeb
		(4 20)	@ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole	Black spot		4 A than a that theih nan nikhat danah
crop	disease	1	tui pek thin tur ani.
_		LAWNGTLAL	+ Thlai bul vawn hnawn nana thlai bula
		SAIHA	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		(Zawhan dan tur am.
		1	sa vangin a hnah ah thil dum rawn
	l .	N D	0 11 1 11 11 11 11 11

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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	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
	} meonit	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	2	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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