

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: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/English Date of issue: 09th February, 2018

			3.0		
Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	10	10	10	10	10
Cloud Coverage	Clear sky	Partially clear	Clear sky	Partially clear	Partially clear
Max RH (%)	98	70	95	90	98
Min RH (%)	29	28	29	24	28
Wind Speed (KmpH)	5	4	4	3	4
*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.

(10.31mm) (09.28mm) (08.44mr

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

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

Mamit-0.00mm (08.86mm)

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):23-27°C Minimum Tem. (°C):12-16°C Maximum RH (%):78-82% Minimum RH (%):34-47%

Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

Weather forecast valid from 10thFebruary, 2018 To 14thFebruary, 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 26°C and 10°C. Maximum relative humidity is expected in the range of 70-98% and minimum may from 24-29%. Wind direction would be southeasterly to easterly with the wind speed of 3-5 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries FRUITS CROPS		Diseases	
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
BANANA		F3(reduces soil water loss. 4 First harvest can be done 5 to 6 years after planting. 5 Fruits are harvested when they attain
STAR FRUIT	A MAMIT		full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH		SERCHN	 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 TION CO		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR COFFEE		ALAWNOT ALSO	♣ According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	_
		1/1/	2 P a g e

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	MAMIT	KOLASIB	 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	 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.
		6 1 3	3 P a g e

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CEREALS AND P	PULSE CROPS			
Rabi Maize	Tassle formation		#	Irrigation should be provide 3 days interval
	stage	1	4	Apply 2% urea solution for better
		3		growth.
	1	Variation (Weeding should be carried out.
	1	KOLASIB	4	Provide irrigation twice in a week or
)	A.	-3	grow any cover crop in surface of the
	(3 4 /		soil.
	7		-	Leaf and stem cutter insect will be
	1	3 -		more so apply any contact poison for
7 4:11	T31	77 A ! ! 1	-	reducing pest population.
Zero tillage	Flowering	Zero tillage	-	Possibility of rain will be very less. So provide water every alternate day.
Greengram	stage	1	-4	Collection and destruction of damage
and	3	(ATZAVVIL.	Q.	plant or plant part and spraying of any
blackgram	- 1	1		systemic insecticide @ 2ml/lit should
	\.	()		be done.
	1	12	4	Apply 2% urea solution to avoid stress
) 6			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHH	i E	provide water every alternate day.
cultivation in	1		+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should be done.
	1			Apply 2% urea solution to avoid stress
	1	LUNGLE)		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	Toro timego		provide water every alternate day.
- 0-14	20050	m ?	4	Apply split dose of fertilizer for better
				growth.
		(6 20	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
VECEWARI E CEC	ND.	LIMMETTAL		growth.
VEGETABLE CRO		1 /- Shillin	_	Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting		-	leaves start yellowing and ultimately
turmeric	stage	1	100	the stem dries down.
		00	V.	and stelli unes down.

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Early cole crop Stage **According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss. Intercultural operations should be don 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 of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate 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		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.
done regularly to keep the crop fre from weeds and aeration of the roo system. Remaining quantity of nitrogen i applied 30-40 days after transplanting Provide irrigation if water is require. Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Prenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. French bean Vegetative stage Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done	· ·	Vegetative		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Intercultural operations should be done regularly to keep the crop free from
French bean Vegetative stage Intercultural operations should be don	Onion			 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
stage stage five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be don			Par	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
regularly to keep the crop free from 5 Page	French bean	_	LAWNGTLAN	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from

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			weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
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 ANIMAL HUSBEN	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	C ATZAWIL	4	Animals must keep in dry place or
* *5		SERCHN	P + + + + 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.
	1	Reproductive Respiratory	1	
	. 7	Syndrome (PRRS).	7	
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	LAWNGTLAU	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB fertilizers etc. **↓** Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. ↓ Immediate measure of application of lime and potassium permanganate MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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

S-E

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

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

S-E

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)Mamit-0.00mm

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

*Wind Direction

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

S-E

Maximum Tem. (°C):23-27°C Minimum Tem. (°C):12-16°C Maximum RH (%):78-82% Minimum RH (%):34-47%

Wind Direction: Southeasterly

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

Rainfall: 00.0 mm

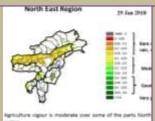
10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 09th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 26°C a ni ang a. A vawh lai ber in 10°C ni tura beisei a ni. RH san lai berin 70-98% leh a hniam lai berin 24-29% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 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	nusbanury auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	u 001-8 1-41-	NULHOID	velah dahkhawm tur ani.
LIME)	LA N	◀ Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	3		Leia tha mamawh tawk a hmuh
	- I		theihna turin a hmunhma a hnim awm
STAR FRUIT		/	te thlawhfai thin tur ani.
STAR FRUIT	MAMIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	5	AIZAVAL	leh a rah than that nan te leh a rah
PLUM AND	1	Constant 1	keh tur lakah t a veng thei ani.
PEACH	1))	
	1	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
	1	greening and	a trangah te hnawih tur ani.
	1)	Dieback	Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	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	1600 (SSE-160)	Nursery stage
		200	Thlai chi thlak hma in Azospirillum leh
		17 (>>	Phosphobacterium a enkawl tur ani.
		91	A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin
		19 8	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		1	buhpawla khuh tur ani.
		A commence of the control of the con	♣ Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		SAIHA	3.111
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		Con Contraction of the Contracti	

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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
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND			Weigning things then the let less let
Rabi Maize	A chin hun	17 ()	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	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.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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



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

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	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	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).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 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
	} taroare	4 th weeks	+	Coccidiosis- Amprolium or coccidiostat
FISHERY	7	4-5 th Weeks		Calcium tonic fortified with B ₁₂
(Sa	onitoring angha ikawl)	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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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 10 February - 14 February, 2018

Date of issue: 09th February, 2018 Bulletin No: - 769/2018/ Bulletin/English

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	10	10	10	10	10
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	96	80	86	86	96
Min RH (%)	27	28	32	29	28
Wind Speed (KmpH)	4	4	4	4	3
*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- January 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawl- 0.00mm Saiha- 0.00 mm

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

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

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

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

(08.44mm)

Weather summary of the past three days

Weather forecast valid from 10th February, 2018 To 14thFebruary, 2018.

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

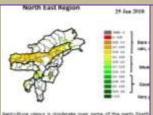
Cloud cover: Clear sky Wind speed: 1-2 km/hr

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26°C and 10°C. Maximum relative humidity is expected in the range of 80-96% and minimum may from 27-32%. Wind direction would be southeasterly to easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

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. 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 CROP					
COFFEE	Fruiting stage	LAWNGTLAUS	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. 		
		114	2 P a g e		

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			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			♣ Replace dead plant with young
	2.1	- J - 3	seedlings.
		7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	((Foliar application of Mepiquat chloride
)	C 200	(a) 1000 PPM concentration or 0.75%
		1 1	SSP @ 1.5 g per 200 lt of water 15 days
	3		interval.
	1	7	Spray lantana camera leaf paste
	, J	7/	around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7 11111111	1	condition.
	3	LAIZAWL I	Due to high humidity, high
		2 1	temperature and less rainfall in hilly
	1	3	region of the district probability of rust
	1	3 6 (will be high. So apply Hexaconazole @ 1
			ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Kubbei			record, there is no probability of
	stage	SERCHH	rainfall. So weekly irrigation is required
	1	V	for upcoming week or use straw mulch
			reduces soil water loss.
	1	100	Farmers can go for tapping upto last
	J.		week of January.
		A CONTRACT OF	♣ Make fire line around the field to save
		LUNGLEI	from fire.
	1		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	h.	200	between 4 plants. Store dried leaves in
		15	the pit and after 4 months it can use as
	//	P Var as I	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	1 55 4	provide water every alternate day.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any
		The state of the s	sulpher based fungicide to reduce
		# SAIHA	disease incidence.
			■ Weeding should to do properly with
		N s l	proper fertilizer use.
		6 1 7	
			3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle			Irrigation should be provide 3 days
	formation			interval
	stage	1	1	Apply 2% urea solution for better
	7 1	-1		growth.
		KOLASIB		Weeding should be carried out.
	1	Thomasons -		Provide irrigation twice in a week or
)	LA N		grow any cover crop in surface of the
	(1 1		soil. Leaf and stem cutter insect will be
	7			more so apply any contact poison for
	1			reducing pest population.
Zero tillage	Flowering	Zero tillage		Possibility of rain will be very less. So
Greengram	stage	Zero tinage		provide water every alternate day.
and	stage	100000		Collection and destruction of damage
blackgram	1	(AIZAWIL)		plant or plant part and spraying of any
biackgram	1	5		systemic insecticide @ 2ml/lit should
	3			be done.
	1	1 1/4		Apply 2% urea solution to avoid stress
	1 0			condition.
Zero tillage	Flowering	Zero tillage		Possibility of rain will be very less. So
Soybean	stage	SERCHN		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.
	-			Apply 2% urea solution to avoid stress
		1 (mig) F1		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	C*C	-	provide water every alternate day.
		17 (~		Apply split dose of fertilizer for better
		91	1	growth.
		19 75		Collection and destruction of Blister
				beetles and spraying of Neem oil
		(-3)		@3ml/lit should be done. Apply split dose of fertilizer for better
		1		growth.
VEGETABLE CRO)P	THE BURNETT ALXO		<u> </u>
Ginger and	Harvesting	(SAIIIA	4	Turmeric and ginger is harvested when
turmeric	stage			leaves start yellowing and ultimately
				the stem dries down.
			100	

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Early cole crop Stage **According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss. Intercultural operations should be don 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 applied 30-		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 root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting provide irrigation if water is require. Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. French bean Vegetative stage Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done.	•	Vegetative		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Intercultural operations should be done regularly to keep the crop free from
French bean Vegetative stage 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.
stage stage five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done			Par	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
regularly to keep the crop free from 5 Page	French bean	_	LAWNGTLAN	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from

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		1	weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant	Poly house	♣ Intercultural operations should be done
	stage	5	regularly to keep the crop free from
		KOLASIB	weeds and aeration of the root system.
	- ((Remaining quantity of nitrogen is applied 30-40 days after transplanting.
)	GA.	Provide irrigation if water is require.
Brinjal	Fruiting to	11	♣ According to forecast and past weather
Dillijai	flowering	The second second	record, there is no probability of
	stage		rainfall. So weekly twice irrigation is
	(40)		required for upcoming week or use
	/ MAMIT	(straw mulch reduces soil water loss.
	5	LAIZAWL I	♣ Interculture operation should be done
	1	Constitue:	near to the base of the plant.
))	4 Apply split dose of nitrogenous
~		1 2	fertilizer to the plant.
Chilli	Vegetative to		According to forecast and past weather
	flowering		record, there is no probability of rainfall. So weekly twice irrigation is
	stage		
		SERCHN	straw mulch reduces soil water loss.
	l l	V Lang	♣ Interculture operation should be done
			near to the base of the plant.
	1	0.7	4 Apply split dose of nitrogenous
			fertilizer to the plant.
		LUNGLEI	Staking should be done.
Tomato	Transplant	_	According to forecast and past weather
	stage	5	record, there is no probability of rainfall. So weekly twice irrigation is
		17	required for upcoming week or use
	1	P \ \	straw mulch reduces soil water loss.
		1 1	Interculture operation should be done
	1) 55 Y	near to the base of the plant.
			Fertilizer application in split dose of
		LAWNGTLAN	recommended dose.
		SAIHA	staking should be done for better fruit
			growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
	<u> </u>	m 17 (Thenouchina viriue 4g inicialaxyl 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
ANUMENT TOTAL) MAMIT			fertilizer.
ANIMAL HUSBEN		CATZAVIL I		Animals must keep in dry place or
Pig	All stages	Porcine Reproductive	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	Respiratory	1	
Cattle	All age group	Syndrome (PRRS).	4	In present weather conditions, special
Cattle	mi age group	LAWNGTLAN	*	care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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

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mortality of fish. ♣ Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of applying lime, bottom, manure, KOLASIB fertilizers etc. **↓** Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed. ↓ Immediate measure of application of lime and potassium permanganate MAMIT @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

LUNGLE

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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



District: Champhai Period: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/Mizo

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Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	10	10	10	10	10
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	96	80	86	86	96
Min RH (%)	27	28	32	29	28
Wind Speed (KmpH)	4	4	4	4	3
*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- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

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

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

(08.86mm)

(08.44mm)

Weather summary of the past three days

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 09th February, 2018

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

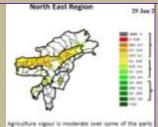
Cloud cover: Clear sky
Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 26°C a ni ang a. A vawh lai ber in 10°C ni tura beisei a ni. RH san lai berin of 80-96% leh a hniam lai berin 27-32% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
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	}	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 keh tur lakah t a veng thei ani.
PEACH	1	5	Ken tar lakan ta veng theram.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAL	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	W. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
	, J	7/	4 A thlai vennan a rah tlai ho chu paih vek
	2 MAMIT		tur ani.
	J. Instanta	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Z	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1	2	Lak a mawi tur am. Line Chuan hei hian kah tur ani. Quinalphos 25
	160		EC @ 340 ml/200 lit emaw lamda
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		SERCHN	
		~	robusta cherry 11.0 %.
	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-
CEREALS AND I	DILL CE CDODC	THE PARTY HALL	monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun		→ Vaimim chinna tur atan lei kan let
Rabi Maize	A chin hun	7	-7
			phut darh anga.
	(C Se V	Hei hian a rawn to chhuah na tur atan
		2	a pui dawn a ni.
	10) 55 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.
		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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	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		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	500	ani. 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 .
Early Cole	Black spot disease	-4	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	arsease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			Likhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum tawii

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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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		♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tui
		ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
Preve meas	C V	
16	4 th weeks	♣ Coccidiosis - Amprolium or coccidiostat
	4-5 th Weeks	A Disconsistance of the Control of t
FISHERY	(AIZAVVL	CHAMPAI }
Monito (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 di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tudang 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, dilturenfiah vat tur ani. ♣ A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.

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SAIHA

LAWNGTLAL

CHAMPAI

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



District: Kolasib Period: 10 February - 14 February, 2018

Date of issue: 09th February, 2018 Bulletin No: - 769/2018/ Bulletin/English

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	12	12	12	12	13
Cloud Coverage	Clear sky	Partially clear	Clear sky	Mainly clear	Mainly cloudy
Max RH (%)	94	66	89	78	94
Min RH (%)	30	29	29	24	29
Wind Speed (KmpH)	4	5	5	3	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm Kolasib- 0.00mm

(09.28mm)(10.31mm)

(08.44mm)(09.40mm)

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

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

Weather summary of the past three days

Weather forecast valid from 10th February, 2018 To 14thFebruary, 2018.

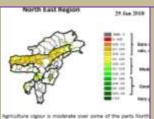
Maximum Tem. (°C):23-27°C Minimum Tem. (°C):12-16°C Maximum RH (%):78-84% Minimum RH (%):43-56% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-30°C and 12-13°C. Maximum relative humidity is expected in the range of 66-94% and minimum may from 24-30%. Wind direction would be southeasterly with the wind speed of 3-5 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/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	Harvesting	c' 5	♣ According to forecast and past weather
MANDARIN AND ACID LIME	stage	KOLASIB	record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	37	♣ 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		SERCH	 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.
	1	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 COFFEE		ALAMMET ALSO	♣ According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	_
		1/1/	2 P a g e

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	1 55		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
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
Vegetative stage	LAWNGTLAL	4	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.
	_	regetative stage	regetative stage +

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4 | P a g e

CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle formation		4	Irrigation should be provide 3 days interval
	stage		4	Apply 2% urea solution for better
	stage	2		growth.
		V comment of	4	Weeding should be carried out.
	1	KOLASIB	4	Provide irrigation twice in a week or
	1	En 8		grow any cover crop in surface of the
	(7 4 7		soil.
	7		+	Leaf and stem cutter insect will be
	/	2 5		more so apply any contact poison for
<i>7</i> 4 111 .	71	7 (111)		reducing pest population.
Zero tillage	Flowering	Zero tillage	-	Possibility of rain will be very less. So
Greengram	stage	1	-	provide water every alternate day. Collection and destruction of damage
and	30	(ATZAWIL		plant or plant part and spraying of any
blackgram		1		systemic insecticide @ 2ml/lit should
	1	(be done.
	1	1 1	4	Apply 2% urea solution to avoid stress
	0			condition.
Zero tillage	Flowering	Zero tillage	+	Possibility of rain will be very less. So
Soybean	stage	SERCHH	i F	provide water every alternate day.
cultivation in	1		+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should be done.
		10		Apply 2% urea solution to avoid stress
	1	LIMBER F	_	condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	y*******		provide water every alternate day.
	Sounge h	14 300	-	Apply split dose of fertilizer for better
				growth.
		(19 20)	+	Collection and destruction of Blister
				beetles and spraying of Neem oil
		30		@3ml/lit should be done.
		The same of the sa	-	Apply split dose of fertilizer for better growth.
VEGETABLE CRO)D	A LAWAIGT ALXO		growth.
Ginger and	Harvesting	(SMIIN	4	Turmeric and ginger is harvested when
turmeric	stage			leaves start yellowing and ultimately
Culmenc	stage			the stem dries down.
		6	VU.	·

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			♣ The plants are-cut close to the ground.
			♣ The crop is irrigated lightly for easy
			digging.
	()	1	♣ Harvesting consists of digging of
) \		underground clumps of rhizomes
		KOLASIB	with pick axe or digging fork.
	1	NULHOID	Fingers are separated from mother
)	60	rhizomes.
	(3 4 /	♣ Wash clumps of rhizomes with water
	7		and keep it for sundry.
	1	7 6	♣ Seed stock will be store from partially
			dry sample.
	Samuer		Cut the rhizome to small pieces for
	/ MAMIT	1	proper drying.
Early cole	Vegetative	A AIZAWL	According to forecast and past weather
crop	stage	2	record, there is no probability of rainfall. So weekly twice irrigation is
	1	- 2	required for upcoming week or use
	1	3 6. (straw mulch reduces soil water loss.
			Intercultural operations should be done
	((regularly to keep the crop free from
	11		weeds and aeration of the root system.
	1	SERCHH	Remaining quantity of nitrogen is
		V	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	Intercultural operations should be
	stage	1 019 110000	done regularly to keep the crop free
	bugo		from weeds and aeration of the root
		LUNGLEI	system.
	3	H1915 H1911	Remaining quantity of nitrogen is
		y****	applied 30-40 days after transplanting.
	. 5	W 5 %	Provide irrigation if water is require.
			♣ Seed treatment with thiram 3g/kg seed or
		(by Se)	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		55	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAN	♣ Possibility of rain will be less coming
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	stage	SAIHA	
	sugo		be done 2 days interval.
			Lintercultural operations should be done
		200	regularly to keep the crop free from
		1 1	

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	Financia (Control of Control of C		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	AIZAWL	 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	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
) MAMIT			fertilizer.
ANIMAL HUSBEN		CATZAVIL I		Animala must trans in der place an
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).	3	
Cattle	All age group	LAWNGTLAL SAIHA	+	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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		KOLASIB	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed. ♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water ♣ Avoid overcrowding. ♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. ♣ Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	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: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/Mizo

Date of issue: 09th February, 2018

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	26	26
Min Temp (°C)	12	12	12	12	13
Cloud Coverage	Clear sky	Partially clear	Clear sky	Mainly clear	Mainly cloudy
Max RH (%)	94	66	89	78	94
Min RH (%)	30	29	29	24	29
Wind Speed (KmpH)	4	5	5	3	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

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

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

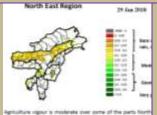
Maximum Tem. (°C):23-27°C
Minimum Tem. (°C):12-16°C
Maximum RH (%):78-84%
Minimum RH (%):43-56%
Wind Direction: Easterly
Cloud cover: Clear sky
Wind speed: 1-2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-30°C a ni ang a. A vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai berin 66-94% leh a hniam lai berin 24-30% ni tur a rin niin. Thli hi darkar khatah 3-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

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	}	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 keh tur lakah t a veng thei ani.
PEACH	1	5	Kell tul lakali t a velig tilel alli.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	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
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(0	4 Hmaih neih nuaih loh tur ani.
)	Par 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1	1	paih fai vek tur ani.
	J	27	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J Instanti	S	Hmun dam lutukah dah loh tur.
	1	LAIZAWL I	Boruak tha taka a hmuh theih nan leh a
)	3	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani. 4 Chuan hei hian kah tur ani. Quinalphos 25
	160		EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
OPPEALS AND I	DILL CE CDODG	THERMAN	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Valuetus altimus tem etem lei less 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.
		SAIHA	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
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 / 1	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	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	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).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 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	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.
	5	STATE	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	Avzava-	CH	AMPANIA TOTAL TOTAL WILL BIZ
PIOIIDRI	Monitoring	A STATE OF THE STA		Canaba ta hi abaw a hayyar Irai la
	Monitoring	}	_	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)		-	a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turin
	1		1	hmun ro leh uap lutuk lo ah dahthat
	-	SERCH	IIP.	tur ani a, hmuar atang a tur lo inseam
	1	V		thin, aflatoxin avang a sangha thi lak
	(atangin sangha a him phah thin.
			4	Dil sah kang veka sangha man thin
	100	100	-	hian a kumleh a sangha khawinan a dil
	1	MINISTER		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	182	phoro, chinai phul, leitha hman leh tul
			12	dang in dil buatsaih tur ani.
		5	-	Sangha te natna lak atangin an him em
		11	1	tih enfiah fo a tha a, natna hmuh anih
	}	2	1	chuan mithiam te rawn vat a, diltui
	1	700	8	enfiah vat tur ani.
		1 61 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	4	1
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 10 February - 14 February, 2018

Date of issue: 09th February, 2018 Bulletin No: - 769/2018/ Bulletin/English

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	26
Min Temp (°C)	10	11	11	12	12
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	93	93	84	71	64
Min RH (%)	30	30	27	28	27
Wind Speed (KmpH)	3	2	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm Kolasib- 0.00mm

(10.31mm)(09.28mm)(08.44mm)(09.40mm)

Lawngtlai-0.00mm Lunglei-0.00mm Mamit-0.00mm Serchhip-0.00mm (10.88mm)(09.60mm)(08.86mm)(08.44mm)

Weather summary of the past three days Weather forecast valid from 10 th February, 2018 To 14 th February, 2018.			
Weather summary of the past Weather forecast valid from 10th February, 2018 To	three days	14thFebruary, 2018.	
	Weather summary of the past	Weather forecast valid from 10th February,	2018 To

Maximum Tem. (°C):24-28°C Minimum Tem. (°C):13-16°C Maximum RH (%):75-85% Minimum RH (%):45-64% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 10-12°C. Maximum relative humidity is expected in the range of 64-93% and minimum may from 27-30%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

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	→ 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
			support by bamboo stake.
	1. 1	F 3	♣ Replace dead plant with young
	1 1	5	seedlings.
		KOLASIB	Fertilizer dose should be maintained.
	1	1	Fruiting stage
)	Line 1	Foliar application of Mepiquat chloride
	(3 0 1	@ 1000 PPM concentration or 0.75%
	7		SSP @ 1.5 g per 200 lt of water 15 days
	1	2	interval.
		27	Spray lantana camera leaf paste
	\$ MAMIT		around 3 kg/16 lt water which will give
	J. Internation	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	effective control against drought
	1	Z AIZAWIL TI	condition. Due to high humidity, high
		2	Due to high humidity, high temperature and less rainfall in hilly
	1	1	region of the district probability of rust
	160	3 6 6	will be high. So apply Hexaconazole @ 1
	. /		ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Rubber			record, there is no probability of
	stage	SERCHH	rainfall. So weekly irrigation is required
	1	V	for upcoming week or use straw mulch
			reduces soil water loss.
	1	100	Farmers can go for tapping upto last
			week of January.
		LUNGLEI	♣ Make fire line around the field to save
	2	PANGETI.	from fire.
	1/2		♣ 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
		1	the pit and after 4 months it can use as
		C Var and V	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
_	stage) 55 Y	provide water every alternate day.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any
		SAIHA	sulpher based fungicide to reduce
		(SAITM	disease incidence.
			♣ Weeding should to do properly with
			proper fertilizer use.
		6 1	210
			3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		♣ Irrigation should be provide 3 d	ays
	formation		interval	
	stage	1	♣ Apply 2% urea solution for be	tter
	7 1	- T	growth.	
		KOLASIB	♣ Weeding should be carried out.	
	1	Thomason:	♣ Provide irrigation twice in a week	
)	LA N	grow any cover crop in surface of	the
	(1 1	soil. Leaf and stem cutter insect will	ho
	7		more so apply any contact poison	
	1	(reducing pest population.	101
Zero tillage	Flowering	Zero tillage	♣ Possibility of rain will be very less.	So
Greengram	stage	Zero tinage	provide water every alternate day.	50
and	stage	100000	Collection and destruction of dam	age
blackgram	1	(AIZAWIL)	plant or plant part and spraying of a	
biackgram	1	5	systemic insecticide @ 2ml/lit sho	uld
	3		be done.	
	1	1 1/4	♣ Apply 2% urea solution to avoid str	ess
	1 0		condition.	
Zero tillage	Flowering	Zero tillage	♣ Possibility of rain will be very less.	So
Soybean	stage	SERCHN	provide water every alternate day.	
cultivation in	1	V~1	+ Collection and destruction of dam	
Jhum	(plant or plant part and spraying of a systemic insecticide @ 2ml/lit sho	•
	1		be done.	uiu
	-		Apply 2% urea solution to avoid str	ess
		1 (mig) F)	condition.	
Zero tillage	Flowering	Zero tillage	♣ Possibility of rain will be very less.	So
Toria	stage	200	provide water every alternate day.	
		17 (~~	Apply split dose of fertilizer for be	tter
		91	growth.	
		19 75	♣ Collection and destruction of Blis	
			beetles and spraying of Neem	O1l
		(-3)	@3ml/lit should be done.Apply split dose of fertilizer for better.	ttor
		1	growth.	ııcı
VEGETABLE CRO)P	THE BURNETT ALX	O - · ·	
Ginger and	Harvesting	(SAIIIA	♣ Turmeric and ginger is harvested wh	nen
turmeric	stage		leaves start yellowing and ultimat	tely
			the stem dries down.	
		The second second		

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

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	Financia (Control of Control of C	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	LAWNGTLAN SAIHA	 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 captan or 3 copper oxychloride/ lt of wat at 10-15 DAS are effective. Earthing up should be done near the plant for better growth of tube and avoid greening of tuber. According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss. Apply split dose of nitrogenor
ANIMAI IIIGDD	MAMIT		fertilizer.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	 Animals must keep in dry place kept in alleviated area and dry bedding (straw) to be provided to your animals. 1st injection at 6 months of age at 2nd injection at 12 months of a followed by annual vaccination undo vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather condition vaccinate against swine fever (Vaccinavailable in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL SAIHA	 In present weather conditions, spectare should be taken against attack maggots in the wounds of animal Application of turpentine oil in the wounds followed by application antibiotics for five days is advised. ♣ Provide UMB/Molases if possible in the feed ♣ Provide 10-30 ml of vitamin B-Comple

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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	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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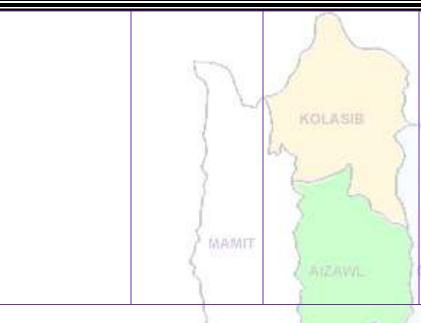


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Mizoram Centre, Kolasib- 796081, MIZORAM

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





mortality of fish.

- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- → Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- ↓ Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/Mizo

Date of issue: 09th February, 2018

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	26
Min Temp (°C)	10	11	11	12	12
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	93	93	84	71	64
Min RH (%)	30	30	27	28	27
Wind Speed (KmpH)	3	2	4	4	4
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

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

(08.44mm)

Weather summary of the past three days

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-28°C Minimum Tem. (°C):13-16°C Maximum RH (%):75-85% Minimum RH (%):45-64% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 10-12°C ni tura beisei a ni. RH san lai berin 64-93% leh a hniam lai berin 27-30% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Rainfall: 00.0 mm

Moderately wet mildly dry/mildly wet conditions

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB	Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.
)	ly 5	Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
}	374	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
\$ MAMIT	A17.0100	♣ 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
))	keh tur lakah t a veng thei ani.
35	Gummosis, citrus canker, citrus greening and Dieback	→ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
	LUNGER	
All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP All stages

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	3.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	1	U. BOTOL	♣ Hmaih neih nuaih loh tur ani.
)	Par 3	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	×	1	♣ Seng bang zawng zawng chu uluka taka
	J.	1	paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	Samuer		tur ani.
	MAINIT	S	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Z	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk
))	tak a hlawi tur ani. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
	- 7		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	No.	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALC AND	DILL CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		270	1 77
Rabi Maize	A chin hun	77	♣ 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.
	1	3 -5 7	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LI MANORETT AL AS	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	6/
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		to C	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 4 1	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	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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Onion and	Numana	Poly house	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. A than a that theih nan nikhat danah
capsicum	Nursery stage	Poly nouse	tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.
	A MAMIT	AIZAWL	♣ Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	1	Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGIEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	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	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAN	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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			Tui an in tur chhawpna tur tha /l tha tak leh tui thianghlim tak pek			
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.		
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni		
	measures	O O WCCI		1-6 ah F1 vaccine pek tur ani a, chuan		
	mousuros	GP)		a puitlingh chuan R ₂ B vaccine pek tur		
	- 5			ani.		
	1	STATE	4	B complex with antibodies		
	-	4th weeks	4	Coccidiosis- Amprolium or		
	2			coccidiostat		
	MAGMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂		
FISHERY	1	AIZAWL	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo		
	(Sangha	1	1	chauh pek thin tur ani. Sangha chaw a		
	,	3 6 6		lo hmuar anih chuan pek hma in ni sa		
	enkawl)		-	a phoro phawt tur ani.		
			4	Sangha chaw hi a hmuar lohna turin		
	7)			hmun ro leh uap lutuk lo ah dahthat		
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam		
	1	V		thin, aflatoxin avang a sangha thi lak		
				atangin sangha a him phah thin.		
	1		4	Dil sah kang veka sangha man thin		
	- 1			hian a kumleh a sangha khawinan a dil		
		LUNGLEI		buatsaih a ti awlsam a, dil mawng		
	>	F-713-20-1-11	1	phoro, chinai phul, leitha hman leh tul		
		y****	1	dang in dil buatsaih tur ani.		
	, h	17	+	Sangha te natna lak atangin an him em		
			- (tih enfiah fo a tha a, natna hmuh anih		
	1	(by se)	3	chuan mithiam te rawn vat a, diltui		
		3	2	enfiah vat tur ani.		
		1 55	-	A ranglam a chinai @50kg/ha leh		
			169	tuisen @1.5mg/l diltui a hman hian		
		LAWNGTLAL		sangha natna avang a thi tur lak atangin a veng thei.		
		F SAIH	À	atangin a veng men.		
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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: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/English Date of issue: 09th February, 2018

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	26
Min Temp (°C)	10	11	11	12	12
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	96	100	63
Min RH (%)	29	28	26	26	25
Wind Speed (KmpH)	4	3	4	4	4
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 0.00mm Champh

Champhai- 0.00mm Saiha- 0.00 mm (09.28mm) (08.44mm)

Kolasib- 0.00mm (09.40mm)

(10.31mm) Lawngtlai-0.00mm

Lunglei-0.00mm

Mamit-0.00mm

Serchhip-0.00mm

(10.88mm)

unglei-0.00mm (09.60mm)

(08.86mm)

Serchhip-0.00mm (08.44mm)

Weather summary of the past three days

Weather forecast valid from 10thFebruary, 2018 To 14thFebruary, 2018.

There are no chances of rainfall during the next 5 days.

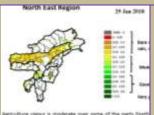
Maximum Tem. (°C):20-24°C Minimum Tem. (°C):12-15°C Maximum RH (%):72-84% Minimum RH (%):48-59% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

The maximum and minimum temperatures for the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 10-12°C. Maximum relative humidity is expected in the range of 63-100% and minimum may from 25-29%. Wind direction would be easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



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/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	Harvesting	5	♣ According to forecast and past weather
MANDARIN AND ACID LIME	stage	KOLASIB	record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	£ (♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain
STAR FRUIT	\$ MAIMIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH		SERCH	 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.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR COFFEE		ALAWNOT ALSO	♣ According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	_
		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	2	seedlings.
	1	7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	((Foliar application of Mepiquat chloride
)	60	@ 1000 PPM concentration or 0.75%
	- 1	1 1	SSP @ 1.5 g per 200 lt of water 15 days
	3		interval.
	1		Spray lantana camera leaf paste
	J	11	around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7. 1/2550000	1	condition.
	3	(ATZAWIL)	Due to high humidity, high
	1	2 1	temperature and less rainfall in hilly
	1	6 3	region of the district probability of rust
	-	1 64	will be high. So apply Hexaconazole @ 1
	1	1 2 1	ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Rubber	stage		record, there is no probability of
	stage	SERCHH	rainfall. So weekly irrigation is required
	(The state of the s	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
	2	HANDSHAD	from fire.
	1		♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
		m 2~~	between 4 plants. Store dried leaves in
		1 1	the pit and after 4 months it can use as
	()	C Var Said	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage) 55	provide water every alternate day.
	J		♣ Possibility to occurrence of Powdery
		LAWNGTLAL	mildew will be high so apply any
		SAIHA	sulpher based fungicide to reduce
		SAINA	disease incidence.
			♣ Weeding should to do properly with
		A STATE OF	proper fertilizer use.
		6 1	215
			3 P a g e

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- 1177	ULSE CROPS			
Rabi Maize	Tassle		4	Irrigation should be provide 3 days
	formation	8		interval
	stage	1	4	Apply 2% urea solution for better
	1	3		growth.
	1	KOLASIB		Weeding should be carried out.
	ł.	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
	f.			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	1	(AIZAVVL.)	ui-	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
) 6			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	100		be done.
	1		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	190		provide water every alternate day.
	250.85	7 7	4	Apply split dose of fertilizer for better
				growth.
		(19 20)	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		-3		@3ml/lit should be done.
			-	Apply split dose of fertilizer for better
VEGETABLE CRO	D	LIAMMETT ALSO		growth.
		/- samma	-	Turmeric and ginger is howested when
Ginger and	Harvesting		_	Turmeric and ginger is harvested when leaves start yellowing and ultimately
turmeric	stage	1	100	the stem dries down.
		6	V.	the stelli tilles towil.

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Coron Stage Label Labe		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 room system. Remaining quantity of nitrogen in applied 30-40 days after transplanting to provide irrigation if water is require. Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4g(Apron)/kg seed Trichoderma viride 4g+ metalaxyl 4g(Apron)/kg seed Drenching 1% Bordeaux mixture or 2graptan or 3 copper oxychloride/lt of water at 10-15 DAS are effective. French bean Vegetative stage Vegetative stage Vegetative 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 weeds and corption of the root system.
French bean Vegetative stage Vegetative stage Vegetative stage Formula Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 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.	Onion			 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
stage five days. So alternate irrigation should be done 2 days interval.			Pur	 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
	French bean	_	LAWNGTLAUS	 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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		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. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH	 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	LAWNGTLAUSAIHA	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato	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	CHOS.	Wellington beautiful and the state of
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 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	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

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



District: Lunglei Period: 07 February - 11 February, 2018

Bulletin No: - 768/2018/ Bulletin/Mizo

		F.	5		
Parameters	07.02.2018	08.02.2018	09.02.2018	10.02.2018	11.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	26
Min Temp (°C)	10	11	11	12	12
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	96	100	63
Min RH (%)	29	28	26	26	25
Wind Speed (KmpH)	4	3	4	4	4
*Wind Direction	F	F	F	ਜ	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

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):20-24°C Minimum Tem. (°C):12-15°C Maximum RH (%):72-84%

Minimum RH (%):48-59% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

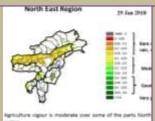
(09.6mm)

Date of issue: 06th February, 2018

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 10-12°C ni tura beisei a ni. RH san lai berin 63-100% leh a hniam lai berin 25-29% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		3	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-
CERRALC AND	NIII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	7 7	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -6 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavent and	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		N N	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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

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

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

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

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/English Date of issue: 09th February, 2018

		1	2		
Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	27	27
Min Temp (°C)	10	10	10	10	10
Cloud Coverage	Clear sky	Partially clear	Clear sky	Partially clear	Partially clear
Max RH (%)	96	68	100	88	94
Min RH (%)	30	30	29	23	28
Wind Speed (KmpH)	4	4	4	3	4
*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- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm Kolasib- 0.00mm

(10.31mm) (09.28mm) (08.44mm) (09.40mm)

Lawngtlai-0.00mm Lunglei-0.00mm Mamit-0.00mm Serchhip-0.00mm

(10.88mm) (09.60mm) (08.86mm) (08.44mm)

Weather summary of the past | Weather forecast valid from 10thFebruary, 2018 To

Maximum Tem. (°C):24-26°C
Minimum Tem. (°C):12-15°C
Maximum RH (%):75-85%
Minimum RH (%):51-63%
Wind Direction: Easterly
Cloud cover: Clear sky
Wind speed: 1-2 km/hr

Rainfall: 00.0 mm

NDVI for Mizoram

Weather forecast valid from 10thFebruary, 2018 To 14thFebruary, 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 26-27°C and 10°C. Maximum relative humidity is expected in the range of 68-100% and minimum may from 23-30%. Wind direction would be southeasterly to easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

North East Region 29 fee 2018

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	↓ 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.
		11 14 6	2 P a g e

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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	3	seedlings.
		KOLASIB	♣ Fertilizer dose should be maintained.Fruiting stage
	(l. (Foliar application of Mepiquat chloride
)	60°y)	@ 1000 PPM concentration or 0.75%
	>		SSP @ 1.5 g per 200 lt of water 15 days
)	5	interval.
			Spray lantana camera leaf paste
	MAMIT		around 3 kg/16 lt water which will give effective control against drought
	7 11/2		condition.
	3	(ATZAWIL)	Due to high humidity, high
	1	3	temperature and less rainfall in hilly
	1		region of the district probability of rust
	1		will be high. So apply Hexaconazole @ 1
Rubber	T/a madadima		ml/10 lt of water.
Rubber	Vegetative stage		♣ According to forecast and past weather record, there is no probability of
	stage	SERCHN	rainfall. So weekly irrigation is required
	1	No.	for upcoming week or use straw mulch
		4	reduces soil water loss.
			Farmers can go for tapping upto last
	1	AVENUE SE	week of January. 4 Make fire line around the field to save
		LUNGLEI	from fire.
		y***	♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	-	n ?~~	between 4 plants. Store dried leaves in
			the pit and after 4 months it can use as
Ctuorrhouer	Vogototivo	7 (manure. 4 Possibility of rain will be very less. So
Strawberry	Vegetative stage	1 5 3	provide water every alternate day.
	Stuge	1	 Possibility to occurrence of Powdery
		LAWNGTLAN	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.
		6 1	proper terminate doc.
		11 1	3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle formation		#	Irrigation should be provide 3 days interval
	stage	1	4	Apply 2% urea solution for better
	Sugs	2		growth.
	1	V comment	4	Weeding should be carried out.
	1	KOLASIB	4	Provide irrigation twice in a week or
	1	LA	-0	grow any cover crop in surface of the
	(3 4 /		soil.
	7		+	Leaf and stem cutter insect will be
	1	2		more so apply any contact poison for
7 4:11	T31	77 A ! ! 1	-	reducing pest population.
Zero tillage	Flowering	Zero tillage	-	Possibility of rain will be very less. So provide water every alternate day.
Greengram	stage	1	-4	Collection and destruction of damage
and	3	(ATZAWIL)	Q.	plant or plant part and spraying of any
blackgram	-	1		systemic insecticide @ 2ml/lit should
	\.	()		be done.
	1	12	4	Apply 2% urea solution to avoid stress
	0			condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Soybean	stage	SERCHH	i F	provide water every alternate day.
cultivation in	1		+	Collection and destruction of damage
Jhum	1			plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should be done.
	J			Apply 2% urea solution to avoid stress
	1	LUNGLE)		condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	Toro timego		provide water every alternate day.
- 0-14	20450	m ?	4	Apply split dose of fertilizer for better
				growth.
		(by sec.)	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
VECETADI E CEC	ND.	LIAMMETT ALSO		growth.
VEGETABLE CRO		1 /- Shillin		Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting		-	leaves start yellowing and ultimately
turmeric	stage	1	100	the stem dries down.
		00	V.	the stelli diles down.

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

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	- Ferrogan 1	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. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH	 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	LAWNGTLAUSAIHA	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato ANIMAL HUSBER	Vegetative stage	KOLASIB	+ + +	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
Pig	All stages	SERCHH	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	-	1 3 1	♣ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL SAIHA	 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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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: Mamit Period: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/Mizo

Date of issue: 09th February, 2018

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	27	27
Min Temp (°C)	10	10	10	10	10
Cloud Coverage	Clear sky	Partially clear	Clear sky	Partially clear	Partially clear
Max RH (%)	96	68	100	88	94
Min RH (%)	30	30	29	23	28
Wind Speed (KmpH)	4	4	4	3	4
*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- January 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm) Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

Lunglei-0.00mm (09.60mm)

Mamit-0.00mm (08.86mm)

(08.44mm)

Weather summary of the past three days

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):24-26°C Minimum Tem. (°C):12-15°C Maximum RH (%):75-85% Minimum RH (%):51-63% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 26-27°C a ni ang a. A vawh lai ber in 10°C ni tura beisei a ni. RH san lai berin 68-100% leh a hniam lai berin 23-30% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

North East Region 25 fee 3958

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/ Animal	Stage	Cultural	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		practices/ Pest/ Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A 1i atamea	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A. A.	4 Thlai naupang deuah chuan chawlh
	(3 4 7	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
		3	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	2		♣ A seng hma kar 6 chhung chu tui tha
	J' MAMIT	1	taka pek hian a rah tla tur chelh nan
	§	Z AIZAWL Z	leh a rah than that nan te leh a rah
PLUM AND PEACH	1		keh tur lakah t a veng thei ani.
PEACH	+	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
) 6	greening and	laka vennan Bordeaux past hi thing zar leh
	1	Dieback	a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAL	 Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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

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

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

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

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

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SAIHA

LAWNGTLAL

CHAMPAI

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Rainfall: 00.0 mm

GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 10 February - 14 February, 2018

Date of issue: 09th February, 2018 Bulletin No: - 769/2018/ Bulletin/English

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	26	26	26	26
Min Temp (°C)	11	11	11	11	11
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	91	87	83	66	56
Min RH (%)	27	26	26	27	24
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

Status of Post Monsoon- January 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawl- 0.00mm Champhai- 0.00mm Saiha- 0.00 mm Kolasib- 0.00mm

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

(09.40mm)

Lawngtlai-0.00mm Lunglei-0.00mm Mamit-0.00mm Serchhip-0.00mm (10.88mm)(09.60mm)(08.86mm)(08.44mm)

Weather forecast valid from 10th February, 2018 To Weather summary of the past 14thFebruary, 2018. three days Maximum Tem. (°C):20-24°C There are no chances of rainfall during the next 5 days. Minimum Tem. (°C):12-15°C

The maximum and minimum temperatures for the next 5 Maximum RH (%):75-85% days may range for 25-26°C and 11°C. Maximum relative Minimum RH (%):43-54% humidity is expected in the range of 56-91% and minimum Wind Direction: Easterly may from 24-27%. Wind direction would be southeasterly Cloud cover: Clear sky with the wind speed of 4 km per hour. Clear sky will Wind speed: 1-2 km/hr 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 				
		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	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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



			Replanting of new seedling
			♣ Medium to young seedling should be
			support by bamboo stake.
			♣ Replace dead plant with young
	2.1	1 3	seedlings.
		7	♣ Fertilizer dose should be maintained.
		KOLASIB	Fruiting stage
	((Foliar application of Mepiquat chloride
)	C 200	@ 1000 PPM concentration or 0.75%
		1 1	SSP @ 1.5 g per 200 lt of water 15 days
	1	10000	interval.
	1	2	Spray lantana camera leaf paste
	,.J		around 3 kg/16 lt water which will give
	MAMIT		effective control against drought
	7 11111111	1	condition.
	7.	L AIZAVVL	Due to high humidity, high
		2	temperature and less rainfall in hilly
	1	3	region of the district probability of rust
	46	3 6 (will be high. So apply Hexaconazole @ 1
			ml/10 lt of water.
Rubber	Vegetative		♣ According to forecast and past weather
Kubbei			record, there is no probability of
	stage	SERCHN	rainfall. So weekly irrigation is required
	1		for upcoming week or use straw mulch
			reduces soil water loss.
	1	100	Farmers can go for tapping upto last
	J.		week of January.
		A Control on	♣ Make fire line around the field to save
		LUNGLEI	from fire.
			♣ Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft)
	h.	200	between 4 plants. Store dried leaves in
		15	the pit and after 4 months it can use as
	(P Var and I	manure.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	1 50 4	provide water every alternate day.
			♣ Possibility to occurrence of Powdery
		LAWNGTLAN	mildew will be high so apply any
		The state of the s	sulpher based fungicide to reduce
		# SAIHA	disease incidence.
			■ Weeding should to do properly with
		V s V	proper fertilizer use.
		6 1 7	
			3 P a g e

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CEREALS AND P	ULSE CROPS			
Rabi Maize	Tassle		└ Irrigation should be provi	de 3 days
	formation		interval	
	stage	6	Apply 2% urea solution	for better
	7 1	3	growth.	
		KOLASIB	Weeding should be carried of	
	1	Thomas -	Provide irrigation twice in	
)	LA N	grow any cover crop in sur	face of the
	(1 1	soil. ▶ Leaf and stem cutter inse	not will be
	7	1	more so apply any contact	
	1		reducing pest population.	poison for
Zero tillage	Flowering	Zero tillage	Possibility of rain will be ve	ery less. So
Greengram	stage	Zero tinage	provide water every alternate	•
and	stage	1	Collection and destruction	
blackgram	1	(AIZAWIL)	plant or plant part and spra	
biackgrain	1	5	systemic insecticide @ 2ml	/lit should
	3	()	be done.	
	1		Apply 2% urea solution to a	avoid stress
	1 0		condition.	
Zero tillage	Flowering	Zero tillage	Possibility of rain will be ve	•
Soybean	stage	SERCHN	provide water every alternate	
cultivation in	1	V~1	Collection and destruction	
Jhum	(plant or plant part and spra systemic insecticide @ 2ml	
	1		be done.	i/iii siloulu
	-		Apply 2% urea solution to a	avoid stress
		LUMBER FI	condition.	avoia stress
Zero tillage	Flowering	Zero tillage	Possibility of rain will be ve	ery less. So
Toria	stage	2000	provide water every alternate	day.
		14 100	Apply split dose of fertilizer	r for better
			growth.	
		1 75 6	Collection and destruction	
			beetles and spraying of	Neem oil
		30	@3ml/lit should be done.	r for botton
		land the second	Apply split dose of fertilizer growth.	i ioi pettel
VEGETABLE CRO)P	ALL BAMAIGTE ALAS	9 · · · · · · ·	
Ginger and	Harvesting	(3/11/1/	Turmeric and ginger is harv	ested when
turmeric	stage		leaves start yellowing and	
			the stem dries down.	
		Contract of the second		

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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 nitrogen applied 30-40 days after transplant done regularly to keep the crop from weeds and aeration of the system. Intercultural operations should done regularly to keep the crop from weeds and aeration of the system. Remaining quantity of nitrogen applied 30-40 days after transplant provide irrigation if water is required. Seed treatment with thiram 3g/kg seed. Provide irrigation if water is required. Seed treatment with thiram 3g/kg seed. Trichoderma viride 4g+ metalaxy (Apron)/ kg seed. Trench bean Vegetative Prench bean Vegetative Possibility of rain will be less co		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 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 seed. Prench dean Vegetative Possibility of rain will be less contained.	•	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 weekle and constion of the rest system.
↓ Seed treatment with thiram 3g/kg see Trichoderma viride 4g+ metalaxy (Apron)/ kg seed ↓ Drenching 1% Bordeaux mixture or captan or 3 copper oxychloride/ lt of at 10-15 DAS are effective. French bean Vegetative ↓ Possibility of rain will be less contained.	Onion			Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root
French bean Vegetative Possibility of rain will be less co			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
be done 2 days interval. Intercultural operations should be regularly to keep the crop free	French bean	Vegetative stage	LAWNGTLAN	, and the second

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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. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage	SERCHH	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
Tomato	Transplant stage	LAWNGTLAUSAIHA	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g

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Potato	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
ANIMAL HUSBEN	IDADV			fertilizer.
Pig	All stages	Porcine Reproductive Respiratory Syndrome (PRRS).	# A + + + *	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.
Cattle	All age group	LAWNGTLAL	1 1 1 1 1 2 4 1 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	1		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: Saiha Period: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/Mizo

Date of issue: 09th February, 2018

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	26	26	26	26
Min Temp (°C)	11	11	11	11	11
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	91	87	83	66	56
Min RH (%)	27	26	26	27	24
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)Serchhip-0.00mm

Lawngtlai-0.00mm (10.88mm)

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

(08.44mm)

Weather summary of the past three days

Maximum Tem. (°C):20-24°C Minimum Tem. (°C):12-15°C Maximum RH (%):75-85% Minimum RH (%):43-54% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

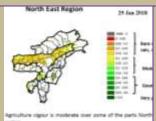
Rainfall: 00.0 mm

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 110C ni tura beisei a ni. RH san lai berin of 56-91% leh a hniam lai berin 24-27% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 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	A 1 181 No.		♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	(MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		Harmosting Stage
		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
	1	thin a ni.
()	6	♣ A rah hmin tha lo ho chu nuai sawm
1		hmain an thliar hrang leh vek thin ani.
1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
1	borer	ani.
4	()	🖊 Hmaih neih nuaih loh tur ani.
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
) 1	ani.
(♣ Seng bang zawng zawng chu uluka taka
f.	2	paih fai vek tur ani.
		→ A thlai vennan a rah tlai ho chu paih vek
X		tur ani.
/ MAMIT	7	🖊 Hmun dam lutukah dah loh tur.
5	Z AIZAWL	♣ Boruak tha taka a hmuh theih nan leh a
1	Commence I	rawn chawr no theih nan thlai chu uluk
1	1	tak a hlawi tur ani.
1	()	4 Chuan hei hian kah tur ani. Quinalphos 25
1	1	EC @ 340 ml/200 lit emaw lamda
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
3, 0		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCHN	
	V~	robusta cherry 11.0 %.
3	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
100		Bordeaux mixture 0.5% in February -
		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
SEDEVIC AND BILLOE ODODO		monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS	200	1 17. in in
Rabi Maize A chin hun	7 17	→ Vaimim chinna tur atan lei kan let
		phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 60	♣ 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	
	1	vel viau ani.
		♣ A chi tuh hma in lei leh FYM @5-10
	2	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh

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

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	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	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).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 10 February – 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/English Date of issue: 09th February, 2018

Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	10	11	10	11	10
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	97	98	100	77
Min RH (%)	29	27	29	28	26
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	S-E	E	E	E

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

(10.31mm) (09.28mm) (08.44m

(08.44mm) (09.40mm)

three days

Maximum Tem. (°C):22-23°C

Minimum Tem. (°C):11-14°C

Maximum RH (%):76-88%

Minimum RH (%):48-59%

Wind Direction: Easterly

Cloud cover: Clear sky

Weather summary of the past

Rainfall: 00.0 mm

NDVI for Mizoram

Wind speed: 1-2 km/hr

Weather forecast valid from 10thFebruary, 2018 To 14thFebruary, 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 26°C and 10-11°C. Maximum relative humidity is expected in the range of 77-100% and minimum may from 26-29%. Wind direction would be southeasterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

North East Region 29 fae 2018

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	Harvesting	c' 5	♣ According to forecast and past weather
MANDARIN AND ACID LIME	stage	KOLASIB	record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	37	♣ First harvest can be done 5 to 6 years after planting.❖ Fruits are harvested when they attain
STAR FRUIT	\$ MAMIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH		SERCHI	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	1	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 COFFEE		ALAWNOT ALSO	♣ According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	_
		1/1/	2 P a g e

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

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CEREALS AND F	PULSE 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
	(7 4 7		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	1		provide water every alternate day. Collection and destruction of damage
and	3	(AIZAWL	C)	plant or plant part and spraying of any
blackgram	1	1		systemic insecticide @ 2ml/lit should
	(()		be done.
	1	2 1	4	Apply 2% urea solution to avoid stress
) 6			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		V~	+	Collection and destruction of damage
Jhum	(plant or plant part and spraying of any
				systemic insecticide @ 2ml/lit should
	1			be done. Apply 2% urea solution to avoid stress
	1	LUNGLE)	_	condition.
Zero tillage	Flowering	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	zoro tringo		provide water every alternate day.
10114	buge	m ?	4	Apply split dose of fertilizer for better
				growth.
		(by sec.)	4	Collection and destruction of Blister
				beetles and spraying of Neem oil
		-2		@3ml/lit should be done.
			+	Apply split dose of fertilizer for better
VECETARI E CR	מת	LIAMMETT ALSO		growth.
VEGETABLE CRO		/- SAIIIA	4	Turmeric and ginger is harvested when
Ginger and turmeric	Harvesting		-	leaves start yellowing and ultimately
turmeric	stage	1	100	the stem dries down.
		00	V.	the stelli diles down.

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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 frow weeds and aeration of the root system. Remaining quantity of nitrogen applied 30-40 days after transplantin done regularly to keep the crop from weeds and aeration of the rosystem. Remaining quantity of nitrogen applied 30-40 days after transplanting to her provide irrigation if water is require. **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 to brenching 1% Bordeaux mixture or 20 captan or 3 copper oxychloride/ lt of water is 10-15 DAS are effective. **French bean** Vegetative **Possibility of rain will be less coming to the provided in the		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 from weeds and aeration of the resystem. Remaining quantity of nitrogen applied 30-40 days after transplanting. 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 Pornching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of water in the company of the provided in the company o	· •	Vegetative		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Intercultural operations should be done regularly to keep the crop free from
Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed 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.
French bean Vegetative stage Vegetative stage Possibility of rain will be less comi five days. So alternate irrigation show			Par!	(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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	Financia (Control of Control of C		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	AIZAWL	 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	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
	2 MAMIT			fertilizer.
ANIMAL HUSBEN		CATZAVIL I		Animals must keep in dry place or
Pig	All stages	Porcine Reproductive	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.
	-	Respiratory	1	
Cattle	All age group	LAWNGTLAL SAIHA	+	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex

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

CHAMPAI

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GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Serchhip Period: 10 February - 14 February, 2018

Bulletin No: - 769/2018/ Bulletin/Mizo

		P	1		
Parameters	10.02.2018	11.02.2018	12.02.2018	13.02.2018	14.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	26	26	26
Min Temp (°C)	10	11	10	11	10
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	97	98	100	77
Min RH (%)	29	27	29	28	26
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	S-E	E	E	E

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

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

Aizawl- 0.00mm

Champhai- 0.00mm

Saiha- 0.00 mm

Kolasib- 0.00mm

(10.31mm)

(09.28mm)

(08.44mm)

(09.40mm)

Lawngtlai-0.00mm

Lunglei-0.00mm (09.60mm)

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

Weather summary of the past

three days

(10.88mm)

10th February – 14th February, 2018 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo

tura beisei a ni. Khua a lum lai berin 26°C a ni ang a. A

Date of issue: 09th February, 2018

Maximum Tem. (°C):22-23°C Minimum Tem. (°C):11-14°C Maximum RH (%):76-88% Minimum RH (%):48-59% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 1-2 km/hr

vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 77-100% leh a hniam lai berin 26-29% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(00101	♣ Hmaih neih nuaih loh tur ani.
)	WA 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	3	the second of	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
]]	201	👃 A thlai vennan a rah tlai ho chu paih vek
	Samuer		tur ani.
	MAMIT	A	Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	7	3	rawn chawr no theih nan thlai chu uluk
))	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	30 1		tawkah chuan: Arabica / robusta
		SERCHH	
		SEROIN .	robusta cherry 11.0 %.
	y .	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
			monsoon) ah kah chhunzawm tur ani.
CEREALS AND PUL		2776	
Rabi Maize	A chin hun	W S	→ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	8		Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
	N .	1 60 4	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		1 / h	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1111	3 Page

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

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

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

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		1	+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.
	5	1	4	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	1 A		1-6 ah F1 vaccine pek tur ani a, chuan
	/	" 1		a puitlingh chuan R ₂ B vaccine pek tur
	7		١.	ani.
	1		*	B complex with antibodies
	1	4 th weeks	+	Coccidiosis- Amprolium or
	S CARRATT		_	coccidiostat
	J. INFOMIT	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	(AIZAVVL	CH	AMPAI)
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 188		lo hmuar anih chuan pek hma in ni sa
) 6			a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCH	HP)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	276	NAME OF THE OWNERS OF THE OWNER,		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	199	phoro, chinai phul, leitha hman leh tul
	1		- 7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
		P \	1	chuan mithiam te rawn vat a, diltui
		137 [enfiah vat tur ani.
	, i	1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LAWNGTLAL		sangha natna avang a thi tur lak
		The state of the s		atangin a veng thei.
		SAIH	9)
			Prince	7
			1	2

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