

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: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/English Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	24	23	23	23
Min Temp (°C)	6	5	5	5	4
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	92	100	88	99	95
Min RH (%)	34	33	31	28	24
Wind Speed (KmpH)	2	2	2	3	3
*Wind Direction	E	E	E	E	S-E

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

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

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

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm) Lawngtlai-06.4mm

Lunglei-07.4mm

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

(07.1mm)

(08.7mm)

(09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):15-16°C Minimum Tem. (°C):09-10°C Maximum RH (%):94-99% Minimum RH (%):74-88%

Minimum RH (%):74-88%
Wind Direction: southeasterly
Cloud cover: Partially clear
Wind speed: 0-2 km/hr

Rainfall: 06.3 mm

Weather forecast valid from 06th January, 2018 To
10th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 23-25°C and 4-6°C. Maximum relative humidity is expected in the range of 88-100% and minimum may from 24-34%. Wind direction would be easterly to southeasterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Fruiting 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 STAR FRUIT	}	7	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer infestation.
PLUM AND PEACH	\(\lambda_{\text{MAMIT}}\)	AIZAWL	 Harvesting should be done along with twig with two leaves. Diseased and senile branches should be removed
	35	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	LUNGLEI	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. Replanting of new seedling
		LAWNGTLAL	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. Fertilizer dose should be maintained.
		12	Fruiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
		1 1 1	2 Page

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				P@ 1.5 g per 200 lt of water 15 days
				erval.
		1	_	ray lantana camera leaf paste ound 3 kg/16 lt water which will give
	1 1	J 3		ective control against drought
	1 2	7		ndition.
	1 3	KOLASIB	→ Du	
	(nperature and less rainfall in hilly
)	Way 1		gion of the district probability of rust
	8		_	l be high. So apply Hexaconazole @ 1
	1	5		/10 lt of water.
Rubber	Vegetative	5		cording to forecast and past weather
	stage			cord, there is no probability of
	MAMIT	1		nfall. So weekly irrigation is required
	§	Z AIZAVVL V		upcoming week or use straw mulch
	1	3		luces soil water loss.
)(1		e grass or straw mulch to prevent m water loss.
	1	3 646		edium to young seedling should be
	1	1 3 3		pport by bamboo stake.
	1			-12 kg of well rotten organic manure
	11		0.00	d 225 gm rock phosphate should be
	1	SERCHN		ply at time of planting to each pit as
	1	Y Lang		sal dose application.
Strawberry	Vegetative		♣ Pos	ssibility of rain will be very less. So
	stage		_	ovide water every alternate day.
	1	0.0000-00		ssibility to occurrence of Powdery
		LUNGLEI		ldew will be high so apply any
	3			lpher based fungicide to reduce
		500		sease incidence.
		11 / 1		eeding should to do properly with oper fertilizer use.
CEREALS AND I	PULSE CROPS		pre	oper terunzer use.
Kharif Rice	Harvesting		♣ Bii	rds scaring ribbon should be used
	stage	1 30	for	scaring the birds.
				rvest all mature panicle to reduce
		LAWNGTLAND		d damage.
		₹ SAIHA		rvesting should be done on
		1		nny day at least 15 cm above the
				ound for moisture conservation
		N M	an	d no till pea and mustard/ toria
		114 6		3 P a g e

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	7		sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage	KOLASIB	 Thinning must be done where more population was observed. Irrigation should be provide 3 days interval
	MAMIT	1	 Apply 2% urea solution for better growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be
	(intervit	0.7000	more so apply any contact poison for reducing pest population.
Zero tillage Greengram	Vegetative stage	Zero tillage	♣ Possibility of rain will be very less. So provide water every alternate day.
and blackgram	35		 Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
		SERCHH	be done. ♣ Apply 2% urea solution to avoid stress condition.
Zero tillage Soybean cultivation in	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done.
Jhum	1	LUNGLEI	Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
		1	♣ Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister
		LAWNGTLAL	beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better
		20	growth.

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VEGETABLE CR	ОР		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ♣ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m²) ✓ Fertilizer application 180:50:50 kg/ha.
		Damping off	 ♣ 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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during

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			day
		2	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
) (2	→ Drenching 1% Bordeaux mixture or 2 g
		V comment	captan or 3 copper oxychloride/ lt of water
French bean	Germination	KOLASIB	at 10-15 DAS are effective. 4 Possibility of rain will be less coming
French bean	stage	LA V	five days. So alternate irrigation should
	stage	3 4 /	be done 2 days interval.
	7		4 Thinning must be done.
	1		4
Capsicum	Transplant	Poly house	♣ Chilli will be planted in well
	stage	()	pulverized and leveled field.
	9	LAIZAWL I	Chilli will be normally planted in
)	A STATE OF THE STA	raised beds of 60 to 75 cm width.
	1	1	Application of FYM (1.5-2.0 kg/ m ²)
Duinia1	Tuonanlont) (((Provide water every alternate day.
Brinjal	Transplant	1 3 1	♣ Brinjal will be planted in well
	stage		pulverized and leveled field. Brinjal will be normally planted in
		SERCHN	3 1
			The transplanting is done in small
	(flat beds or in shallow furrow
			depending upon the availability of
	1		irrigation.
		LUNGLEI	In heavy soil it is usually
	3	MATERIAL	transplanted on ridges and during
		CC.	the rains also it is advantageous to
		17	plant the seedlings on ridges.
		3	Provide water every alternate day
Chilli	Transplant	1 7 6	Chilli will be planted in well
	stage	1 50 4	pulverized and leveled field.
		1	Chilli will be normally planted in
		LAWNGTLAN	raised beds of 60 to 75 cm width.
		SAIHA	Application of FYM (1.5-2.0 kg/ m²)
Tomato	Transplant		Provide water every alternate day.Tomato will be planted in well
Tomato	Transplant stage	1	pulverized and leveled field.
	stage	[] m	parverized and reveled nela.

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			4	Tomato will be normally planted in
			_	raised beds of 60 to 75 cm width.
			+	The transplanting is done in small
	1 1	5		flat beds or in shallow furrow
		()		depending upon the availability of
		KOLASIB		irrigation.
	(1	In heavy soil it is usually
)	W.		transplanted on ridges and during
	(1 1		the rains also it is advantageous to
	3			plant the seedlings on ridges.
	1		4	Provide water every alternate day.
		Damping off	4	Seed treatment with thiram 3g/kg seed or
	MAMIT	- upg		Trichoderma viride 4g+ metalaxyl 4g
	(1	S	(Apron)/ kg seed
	15	(AIZAWIL)	4	Drenching 1% Bordeaux mixture or 2 g
	1	1		captan or 3 copper oxychloride/ lt of water
Dododo	C	(-	at 10-15 DAS are effective.
Potato	Sowing stage	1 10	-	Prepare the land for potato cultivation without any further delay.
) 6		1	This may help to avoid some bacterial
	1		_	infection at growing stage.
		SERCHN	(P4)	Land may be ploughed thoroughly for
		V~1		proper tillage.
	{		4	If land is prepared good quality of
		1000	1	seeds may be collected for planting.
	137		-	Cultivation from TPS is also found
	The same of the sa	MEMBERS	- 3	profitable.
		LUNGLEI	+	Seed must be treated before sowing.
ANIMAL HUSBEN				
Pig	All stages 📗	m Em	7	Animals must keep in dry place or
			- 20	kept in alleviated area and dry bedding
	()	Car See V	- 3	(straw) to be provided to young
	į.		7	animals.
) 55 7	7	1st injection at 6 months of age and 2nd injection at 12 months of age
		1	- 3,	followed by annual vaccination under
		LAWNGTLAN		vet supervision against FMD.
		SAIHA	4	Reduce concentrate diet up to 5%.
			4	Provide adequate potable water.
			-4	In present weather conditions
		2 2 1		vaccinate against swine fever (Vaccines
		VIV 1		7 Page

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			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
) \	Syndrome (PRRS).	
Cattle	All age group	KOLASIB	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals.
		SERCHH	 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	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
		LAWNGTLAUSAIHA	nroner consultation with vet

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		receipe OF desert D/Leasts C/7
		vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
		fowl pox vaccine and 56-70 days:
()	1	RD R-2B strain.
FISHERY	5	♣ Remove wet litter.
	KOLASIB	1 Communication (1 or (1
Monitoring of fish in pond	()	♣ Care should be taken that fish are fed with feed that are free from fungus. If
nsn m pond	W 1	the fungal growth is observed in fish
7		feed, the feed needs to be sundried for
1	2 5	few days prior to feeding.
J		Fish feed should be stored in cool and
MAMIT		dry place to avoid fungal growth that
10000000	100000	releases aflatoxin which could lead to mortality of fish.
\$	(AIZAWIL)	Fish harvesting may be carried out by
Y	5	complete dewatering of pond. After
1	1 6 /	dewatering, the pond may be prepared
1	() 1	for the next cycle by sundrying of
(bottom, applying lime, manure, fertilizers etc.
1	pennini	Fish needs to be monitored regularly to
	SERCHN	observe any sign of diseases and if
\ \frac{1}{2}		disease is observed, consult expert
	1	immediately and water sample needs to
16		be analyzed.
	A PARTIE STATE OF THE PARTIES OF THE	Immediate measure of application of
3	LUNGLEI	lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in
1	photo	the pond helps in avoiding fish
	100	mortality.
		V
	1981)
	([] A	
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	LAWNGTLANS	
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SAIHA

LAWNGTLAL

CHAMPAI

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Date of issue: 05th January, 2018

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Max RH (%)	92	100	88	99	95
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Wind Speed (KmpH)	2	2	2	3	3
*Wind Direction	E	E	E	E	S-E

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

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

Aizawl- 18.1mm

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

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(14.4mm)

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

Mamit-24.3mm

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):15-16°C

Minimum Tem. (°C):09-10°C Maximum RH (%):94-99%

Minimum RH (%):74-88%

Wind Direction: southeasterly Cloud cover: Partially clear

Wind speed: 0-2 km/hr

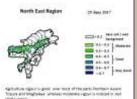
Rainfall: 06.3 mm

(09.6mm)06thJanuary - 10th January, 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 23-25°C a ni ang a. A vawh lai ber in 4-6°C ni tura beisei a ni. RH san lai berin 88-100% leh a hniam lai berin 24-34% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 				
BANANA STAR FRUIT		7	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha				
PLUM AND PEACH	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.				
	35	Gummosis, citrus canker, citrus greening and Dieback	↓ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.				
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.				
PLANTATION CR		L. UINGE EA					
COFFEE	All stages	LAWNGTLAUSAIHA	 Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. 				
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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	37. had a second and 1.1 1 and 1.4
Rabi Maize	A chin hun	7 ()	4 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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCK	1	1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	wy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	Same	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AIZAVA	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	_	chauh pek thin tur ani. Sangha chaw a
	,	3 6 (lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	IIP :	tur ani a, hmuar atang a tur lo inseam
	l l	V Long		thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 1		4	Dil sah kang veka sangha man thin
	1		-	hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	3	the contract of the contract o	I	phoro, chinai phul, leitha hman leh tul
	2.7	000		dang in dil buatsaih tur ani.
		17 ()	1	Sangha te natna lak atangin an him em
)		0	tih enfiah fo a tha a, natna hmuh anih
	(19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
	1		7	A ranglam a chinai @50kg/ha leh
		20		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	1	<u> </u>
				~- ¹
			1	2
		N 1	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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District: Champhai Period: 06 December - 10 December, 2018

07.01.201

0

24

5

Clear sky

88

25

 \mathbf{E}

Bulletin No: - 760/2018/ Bulletin/English

06.01.2018

0

25

6

Clear sky

90

24

3

S-E

	3		
8	08.01.2018	09.01.2018	10.01.2018
	0	0	0
	23	23	23
	5	5	4
	Clear sky	Clear sky	Mainly clear
	90	87	90
	0.1	16	10

5

S-E

Date of issue: 05th January, 2018

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

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

Aizawl- 18.1mm Champhai- 12.00mm Saiha- 13.9 mm

9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm) Serchhip-17.7mm

4

S-E

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

2

 \mathbf{E}

(12.9mm)

Weather summary of the past three days

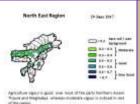
Weather forecast valid from 06th January, 2018 To 10thJanuary, 2018.

Maximum Tem. (°C):17-19°C Minimum Tem. (°C):10-12°C Maximum RH (%):95-100% Minimum RH (%):81-89% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 0-2 km/hr There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 23-25°C and 4-6°C. Maximum relative humidity is expected in the range of 87-90% and minimum may from 12-25%. Wind direction would be southerly to easterly and southeasterly with the wind speed of 2-5 km per hour. Clear sky will prevail during the next five days.

Rainfall: 05.6 mm

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI MANDARIN AND ACID LIME	Fruiting 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	}	375	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer 				
STAR FRUIT	A MAINIT	AIZAWL	infestation. Harvesting should be done along with twig with two leaves.				
PLUM AND PEACH	1		Diseased and senile branches should be removed				
)5	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	LUNGLEI	♣ 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. Replanting of new seedling				
		LAWNGTLAN	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. 				
		SAIHA	Fruiting stage Foliar application of Mepiquat chloride				
			@ 1000 PPM concentration or 0.75%				
2 P a g e							

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				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
		-	+	Spray lantana camera leaf paste
		6		around 3 kg/16 lt water which will give
) [- 3		effective control against drought
		V comment		condition.
	J.	KOLASIB	(+	Due to high humidity, high
	1	En .	-3	temperature and less rainfall in hilly
	/	77 2 2		region of the district probability of rust
	7			will be high. So apply Hexaconazole @ 1
	1	5 6		ml/10 lt of water.
Rubber	Vegetative		+	According to forecast and past weather
	stage			record, there is no probability of
	MAMIT	1		rainfall. So weekly irrigation is required
	1	Z AIZAWL Z	di	for upcoming week or use straw mulch
	1		٠.	reduces soil water loss.
	1	1	*	Use grass or straw mulch to prevent
	1	3 6 6	_	from waterloss.
	- /		-	Medium to young seedling should be support by bamboo stake.
		~ Y	_	10-12 kg of well rotten organic manure
	1)			and 225 gm rock phosphate should be
		SERCHH	ΙF	apply at time of planting to each pit as
		V		basal dose application.
Strawberry	Vegetative		4	Possibility of rain will be very less. So
Strawborry	stage			provide water every alternate day.
	Stage		4	Possibility to occurrence of Powdery
		LUNGLEI		mildew will be high so apply any
	>	mark and a second		sulpher based fungicide to reduce
	1	yma.		disease incidence.
	1	100	-	Weeding should to do properly with
				proper fertilizer use.
CEREALS AND I				
Kharif Rice	Harvesting		#	Birds scaring ribbon should be used
	stage	30		for scaring the birds.
			+	Harvest all mature panicle to reduce
		LAWNGTLAU		bird damage.
		# SAIHA	+	Harvesting should be done on
				sunny day at least 15 cm above the
		4	0	ground for moisture conservation
		N N		and no till pea and mustard/ toria
		111		3 P a g e

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	7		sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage	KOLASIB	Thinning must be done where more population was observed. Irrigation should be provide 3 days interval
	}		 Apply 2% urea solution for better growth. Weeding and earthing up should be carried out.
	} MAMIT	Actions	Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage Greengram and	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage
blackgram	25	SERCHH	plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. 4 Apply 2% urea solution to avoid stress
Zero tillage Soybean	Vegetati <mark>ve</mark> stage	Zero tillage	condition. 4 Possibility of rain will be very less. So provide water every alternate day.
cultivation in Jhum		LUNGLEI	 Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
			♣ Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister
		SAIHA	beetles and spraying of Neem oil @3ml/lit should be done. 4 Apply split dose of fertilizer for better growth.

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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ♣ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/ m2) ✓ Fertilizer application 180:50:50 kg/ha.
		Damping off	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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate day
		SAIII	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed

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			♣ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Germination	1	♣ Possibility of rain will be less coming
	stage	3	five days. So alternate irrigation should
		KOLASIB	be done 2 days interval.
0 .	m 1 4	1	Thinning must be done.
Capsicum	Transplant	Poly house	Chilli will be planted in well pulverized and leveled field.
	stage	3 4 /	Chilli will be normally planted in
	7		raised beds of 60 to 75 cm width.
	/	3	Application of FYM (1.5-2.0 kg/ m²)
			Provide water every alternate day.
Brinjal	Transplant		Brinjal will be planted in well
Dillijai	stage	1	pulverized and leveled field.
	stage	(ATZAWIL)	# Brinjal will be normally planted in
	1	7	raised beds of 60 to 75 cm width.
	1	(♣ The transplanting is done in small flat
	1	27	beds or in shallow furrow depending
)	~ 1 4	upon the availability of irrigation.
	100		♣ In heavy soil it is usually transplanted
		SERCHN	on ridges and during the rains also it
		- Serionii	is advantageous to plant the seedlings
	1		on ridges.
			Provide water every alternate day
Chilli	Transpla <mark>nt</mark>		Chilli will be planted in well pulverized
	stage	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,	and leveled field.
		LUNGLEI	Chilli will be normally planted in raised beds of 60 to 75 cm width.
	1		Application of FYM (1.5-2.0 kg/ m²)
		500	Provide water every alternate day.
Tomato	Transplant		Tomato will be planted in well
	stage	/ Var and V	pulverized and leveled field.
	2-28-		Tomato will be normally planted in
	1	1 55 4	raised beds of 60 to 75 cm width.
		1	♣ The transplanting is done in small flat
		LAWNGTLAN	beds or in shallow furrow depending
		SAIHA	upon the availability of irrigation.
		(()	In heavy soil it is usually transplanted
			on ridges and during the rains also it
			is advantageous to plant the seedlings

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



			on ridges.
			♣ Provide water every alternate day.
French bean	Germination		4 Possibility of rain will be less coming
	stage	1	five days. So alternate irrigation should
	7 \	- 1	be done 2 days interval.
	The second	KOLASIB	♣ Thinning must be done.
	J.	The state of the s	4
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
	stage	7 2	and leveled field.
	2		4 Chilli will be normally planted in
)	5	raised beds of 60 to 75 cm width.
	1		♣ Application of FYM (1.5-2.0 kg/ m²)
	2	1	Provide water every alternate day.
Potato	Sowing stage)	Prepare the land for potato cultivation
	5	LAIZAWL I	without any further delay.
	1	Communication 1	This may help to avoid some bacterial
	1	j y	infection at growing stage.
	1		Land may be ploughed thoroughly for
	1		proper tillage.
) 6		
	1		seeds may be collected for planting.
		SERCHN	Cultivation from TPS is also found
			profitable.
	V.	The state of	Seed must be treated before sowing.
ANIMAL HUSBEI	NDARY		
Pig	All stages		🖊 Animals must keep in dry place or
	7(kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3	and the state of t	animals.
	- 1	C	▶ 1st injection at 6 months of age and
	7	7	2nd injection at 12 months of age
			followed by annual vaccination under
	()	The second	vet supervision against FMD.
			♣ Reduce concentrate diet up to 5%.
	l l	-5	Provide adequate potable water.
			↓ In present weather conditions
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		PAHIA	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	- T
		Respiratory	25
		G /	710
			7 P a g e

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		Syndrome (PRRS).		
Cattle	All age group		In present weather cond	_
		1	care should be taken aga	
	1	7	maggots in the wounds	
	1 1	5	Application of turpentin	
		KOLASIB	wounds followed by a	
	1	1	antibiotics for five days is	
)	W.	Provide UMB/Molases if pred	possible in the
		1 1	Provide 10-30 ml of vitam	in R-Complex
	3		in feed	iii b-compicx
	1		1st injection at 6-8 week	rs of age. 2nd
	J		injection after 6 months	_
	MAMIT		followed by annual vacc	
	Ç	1.77	vet supervision.	
	- 5	(AIZAVVL	Separate sick animals.	
	1	5	The animal should be	washed with
	1		lukewarm water added	
	1		potash (KMnO4) or neem	
	2 6			ear the
))		udder/stomach/back leg	gs should be
D 11	A11	SERCHH	teamed short.	
Poultry	All age group	V~ 1~	Provide preventive dose of drugs to poultry.	anti-coccidiai
			Proper ventilation of shed	
			Provide glucose/electral	
			vitamin supplements (
	1	LUNGLEI	birds) with adequate potal	
	3	H-100-100-100	Avoid overcrowding.	
	1	1990	Provide broad-spectrum a	antihelminthic
	-	17	drugs under vet sup	ervision and
)		recommended doses.	
	()	1 9 70	Vaccination as per the	
	1		proper consultation with	
		-	Day old chick: HVT I	
		The same of the sa	vaccine, 4-7 days:¬ F/ days: Intermediate	
		LAWNGTLAN	vaccine, 35 days: F	± ,
		SAIHA	weeks: Chicken em	
			fowl pox vaccine and	
		1 = 1	RD R-2B strain.	J -
		6 6		

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with feed that are free from the fungal growth is observe feed, the feed needs to be so few days prior to feeding. Fish feed should be stored in dry place to avoid fungal good releases aflatoxin which commortality of fish. Fish harvesting may be carricomplete dewatering of podewatering, the pond may be for the next cycle by subbottom, applying lime, fertilizers etc. Fish needs to be monitored nobserve any sign of disease disease is observed, consimmediately and water samp be analyzed. Immediate measure of applime and potassium per				J Den	nove wet litter
Monitoring of fish in pond Care should be taken that if with feed that are free from the fungal growth is observe feed, the feed needs to be so few days prior to feeding. Fish feed should be stored it dry place to avoid fungal greleases aflatoxin which commortality of fish. Fish harvesting may be care complete dewatering of podewatering, the pond may be for the next cycle by surbottom, applying lime, fertilizers etc. Fish needs to be monitored nobserve any sign of disease disease is observed, constimmediately and water samp be analyzed. Immediate measure of applime and potassium per @50kg/ha and 1.5mg/l rest the pond helps in avoid mortality.	FISHERV			* Ken	HOVE WEL HILEI.
mortality.	FISHERY	fish in pond	AIZAWA.	with the feed few Fish dry rele mon dew for both fert. Fish obs dise imm be a Imm lime @50	n feed should be stored in cool and place to avoid fungal growth that ases aflatoxin which could lead to tality of fish. In harvesting may be carried out by aplete dewatering of pond. After ratering, the pond may be prepared the next cycle by sundrying of tom, applying lime, manure, ilizers etc. In needs to be monitored regularly to erve any sign of diseases and if ease is observed, consult expert neediately and water sample needs to analyzed. In needs to be measure of application of the and potassium permanganate of the and potassium permangan
LAWNGTLAN			LAWNGTLAN	{	9 Page

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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District: Champhai Period: 06 December - 10 December, 2018

07.01.2018

0

24

5

Clear sky

88

25

2

Bulletin No: - 760/2018/ Bulletin/Mizo

3		
08.01.2018	09.01.2018	10.01.2018
0	0	0
23	23	23
5	5	4
Clear sky	Clear sky	Mainly clear
90	87	90

16

5

Date of issue: 05th January, 2018

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

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

Aizawl- 18.1mm Champhai- 12.00mm

06.01.2018

0

25

6

Clear sky

90

24

3

S-E

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm)

12

4

S-E

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

21

2

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

06thJanuary – 10th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):17-19°C
Minimum Tem. (°C):10-12°C
Maximum RH (%):95-100%
Minimum RH (%):81-89%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 0-2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 23-25°C a ni ang a. A vawh lai ber in 4-6°C ni tura beisei a ni. RH san lai berin of 87-90% leh a hniam lai berin 12-25% ni tur a rin niin. Thli hi darkar khatah 2-5 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: 05.6 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	A levi otomeo	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	375	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		/	♣ A rah hmin tha lo ho chu nuai sawm
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	Wy 3	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Interview	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
	1)	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 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	
		(Sections	robusta cherry 11.0 %.
	V	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-
		(CONT. 20 (CONT.)	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		270	1 7 7 7 1 1 1 1 1 1 1
Rabi Maize	A chin hun	11	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	11	1 50 7	♣ 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
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			# 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	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 HUSBENDARY							
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 				
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.				
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.				
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.				
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.				
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 				
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.				

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCR	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	GC)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	San La	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		14	Sangha te hi chaw a hmuar kai lo
	(Sangha	1	_	chauh pek thin tur ani. Sangha chaw a
	,	3 6 6		lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	IIP :	tur ani a, hmuar atang a tur lo inseam
	l l			thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	- 1		4	Dil sah kang veka sangha man thin
	- 1		-	hian a kumleh a sangha khawinan a dil
		LUNGLEI		buatsaih a ti awlsam a, dil mawng
	3	the All House	I	phoro, chinai phul, leitha hman leh tul
	2.7	CC-		dang in dil buatsaih tur ani.
		17	7	Sangha te natna lak atangin an him em
)		0	tih enfiah fo a tha a, natna hmuh anih
		19 70		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			7	A ranglam a chinai @50kg/ha leh
		30		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	<u> </u>
				<u></u>
			1	2
		1 / m	5	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/English Date of issue: 05th January, 2018

		P	5.0		
Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	23
Min Temp (°C)	11	10	10	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	96	92	100	88	90
Min RH (%)	44	40	36	34	32
Wind Speed (KmpH)	2	2	2	3	4
*Wind Direction	S-E	E	E	S-E	S-E

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

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

Aizawl- 18.1mm Champhai- 12.00mm Sa

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):20-26°C

Minimum Tem. (°C):10-15°C

Maximum RH (%):92-98%

Minimum RH (%):73-85%

Wind Direction: Easterly

Cloud cover: Partially clear

Wind speed: 0-2 km/hr

Rainfall: 08.3 mm

Weather forecast valid from 06th January, 2018 To 10th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 23-25°C and 9-11°C. Maximum relative humidity is expected in the range of 90-100% and minimum may from 32-44%. Wind direction would be southeasterly to easterly and southeasterly 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

North test Seglore

Poles Seglore

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	Fruiting 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 STAR FRUIT	}	374	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer infestation.
PLUM AND PEACH	\(\lambda_{\text{MAMIT}}\)	AIZAWL	 Harvesting should be done along with twig with two leaves. Diseased and senile branches should be removed
	35	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	LUNGLEI	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. Replanting of new seedling
		LAWNGTLAL	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. Fertilizer dose should be maintained.
		12	Fruiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
		1146	2 Page

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



				@ 1.5 g per 200 lt of water 15 days
			inte	
			-	y lantana camera leaf paste and 3 kg/16 lt water which will give
	1 1	5	effec	
		7		lition.
		KOLASIB	↓ Due	
	(perature and less rainfall in hilly
)	Way)	_	on of the district probability of rust
	8		_	be high. So apply Hexaconazole @ 1
	1	5		10 lt of water.
Rubber	Vegetative	5		ording to forecast and past weather
	stage			rd, there is no probability of
	MAMIT	1		fall. So weekly irrigation is required
	§ .	Z AIZAWIL Z		apcoming week or use straw mulch
	1	3		ices soil water loss.
)(1		grass or straw mulch to prevent water loss.
	1	The Control		ium to young seedling should be
	1	1 1		port by bamboo stake.
	1			2 kg of well rotten organic manure
	11			225 gm rock phosphate should be
	1	SERCHH		y at time of planting to each pit as
	1	No.		d dose application.
Strawberry	Vegetative		4 Poss	sibility of rain will be very less. So
	stage		_	ide water every alternate day.
		0.00		sibility to occurrence of Powdery
		LUNGLEI		ew will be high so apply any
	3			her based fungicide to reduce
		500		ase incidence.
	- 7	11 / 1		ding should to do properly with per fertilizer use.
CEREALS AND I	PULSE CROPS		prop	ici ici ilizci usc.
Kharif Rice	Harvesting		₄ Bird	ls scaring ribbon should be used
	stage	35		scaring the birds.
				rest all mature panicle to reduce
		LAWNGTLAL		damage.
		# SAIHA		vesting should be done on
		1		ny day at least 15 cm above the
		14		and for moisture conservation
		N MI	and	no till pea and mustard/ toria
		114 6		3 P a g e

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	7		sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage	KOLASIB	Thinning must be done where more population was observed. Irrigation should be provide 3 days interval
	}	74	Apply 2% urea solution for better growth.Weeding and earthing up should be carried out.
	MAMIT	ALZAMA	Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage Greengram and	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage
blackgram	72	SERCHH	plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. 4 Apply 2% urea solution to avoid stress
Zero tillage Soybean	Vegetati <mark>ve</mark> stage	Zero tillage	condition. Possibility of rain will be very less. So provide water every alternate day.
cultivation in Jhum		LUNGLEI	 Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
			♣ Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister
		SAIHA	beetles and spraying of Neem oil @3ml/lit should be done. 4 Apply split dose of fertilizer for better growth.

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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ♣ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m2)
		Damping off	 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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate

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			day
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
	1. 1	8	↓ Drenching 1% Bordeaux mixture or 2 g
		7	captan or 3 copper oxychloride/ It of water
		KOLASIB	at 10-15 DAS are effective.
French bean	Germination	V. (Possibility of rain will be less coming
	stage	GP)	five days. So alternate irrigation should
	8		be done 2 days interval.
	5	Since	Thinning must be done.
Consionm	Trongplont	Delry heres	Chilli will be planted in well
Capsicum	Transplant	Poly house	Chilli will be planted in well pulverized and leveled field.
	stage	1	_
	1	Z AIZAWL Z	Chilli will be normally planted in raised beds of 60 to 75 cm width.
		2	Application of FYM (1.5-2.0 kg/ m ²)
)(3	Provide water every alternate day.
Brinjal	Transplant		Brinjal will be planted in well
brinjai	- 1%	1 3 1	
	stage		pulverized and leveled field. Brinjal will be normally planted in
		SERCHN	3 1
		SERUNN	The transplanting is done in small
	1		flat beds or in shallow furrow
	3		depending upon the availability of
			irrigation.
		AVENUE EN	In heavy soil it is usually
		LUNGLEI	transplanted on ridges and during
			the rains also it is advantageous to
	, h	m Em	plant the seedlings on ridges.
		1	♣ Provide water every alternate day
Chilli	Transplant	(4 20)	+ Chilli will be planted in well
	stage		pulverized and leveled field.
		-9	4 Chilli will be normally planted in
		The state of the s	raised beds of 60 to 75 cm width.
		LAWNGTLAN	Application of FYM (1.5-2.0 kg/ m ²)
		SAIHA	Provide water every alternate day.
Tomato	Transplant		♣ Tomato will be planted in well
	stage		pulverized and leveled field.

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			4	Tomato will be normally planted in		
				raised beds of 60 to 75 cm width.		
			4	The transplanting is done in small		
	1 1	1		flat beds or in shallow furrow		
	1 1	5		depending upon the availability of		
		KOLASIB		irrigation.		
	- 1	1	\ <u>+</u>	In heavy soil it is usually		
)	Line 1		transplanted on ridges and during		
	(1 1		the rains also it is advantageous to		
	7			plant the seedlings on ridges.		
)	3	4	Provide water every alternate day.		
	s-M	Domning off	4	Seed treatment with thiram 3g/kg seed or		
	MAMIE	Damping off	_	Trichoderma viride 4g+ metalaxyl 4g		
	7. 10000000		-	(Apron)/ kg seed		
	3	(AIZAWL	014	Drenching 1% Bordeaux mixture or 2 g		
	l l	2 1		captan or 3 copper oxychloride/ lt of water		
	10	(at 10-15 DAS are effective.		
Potato	Sowing stage	1 86	+	Prepare the land for potato cultivation		
	1	1 3 1	-	without any further delay.		
	The Co		*	This may help to avoid some bacterial		
		- Paragonia		infection at growing stage.		
		SERCHN	H-+(Land may be ploughed thoroughly for		
	V V			proper tillage.		
			- 1	If land is prepared good quality of seeds may be collected for planting.		
		(2)	-	Cultivation from TPS is also found		
	110		7	profitable.		
		LUNGLEI	4	Seed must be treated before sowing.		
ANIMAL HUSBE	NDARY	FFE COLUMN COLUM		Seed mast be treated selore sowing.		
Pig	All stages	5	+	Animals must keep in dry place or		
		17	3	kept in alleviated area and dry bedding		
	1		1	(straw) to be provided to young		
		7 (1	3	animals.		
	N.	1 5 3	+	1st injection at 6 months of age and		
		1	- 2	2nd injection at 12 months of age		
		1	-	followed by annual vaccination under		
		LAWNGTLAN		vet supervision against FMD.		
		# SAIHA	*	Reduce concentrate diet up to 5%.		
			_	Provide adequate potable water.		
		1 = 1	-	In present weather conditions		
		6		vaccinate against swine fever (Vaccines		
7 Page						

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			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	()	Respiratory	
) \	Syndrome (PRRS).	
Cattle	All age group	KOLASIB	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd
		SERCHH	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	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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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		veccine 25 device E/Leasts 6.7
		vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
		fowl pox vaccine and 56-70 days:
	1	RD R-2B strain.
1		Remove wet litter.
FISHERY	KOLASIB (
Monitoring of		4 Care should be taken that fish are fed
fish in pond	GAY)	with feed that are free from fungus. If the fungal growth is observed in fish
5		feed, the feed needs to be sundried for
1	5	few days prior to feeding.
1		Fish feed should be stored in cool and
\$ MAMIT		dry place to avoid fungal growth that
/ meants	1	releases aflatoxin which could lead to
1	(AIZAVVL	mortality of fish. Fish harvesting may be carried out by
	1	complete dewatering of pond. After
1	1	dewatering, the pond may be prepared
		for the next cycle by sundrying of
} (bottom, applying lime, manure,
1)		fertilizers etc.
-	SERCHH	Fish needs to be monitored regularly to observe any sign of diseases and if
3	V Lag	disease is observed, consult expert
	4	immediately and water sample needs to
16		be analyzed.
	MARKET	Immediate measure of application of
	LUNGLEI	lime and potassium permanganate
1	all a	@50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish
	n Em	mortality.
	1981)
	-30	1
	LAWNGTLANS	1
	SAIHA	
	(SAITA	
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/Mizo

Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	23
Min Temp (°C)	11	10	10	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	96	92	100	88	90
Min RH (%)	44	40	36	34	32
Wind Speed (KmpH)	2	2	2	3	4
*Wind Direction	S-E	E	E	S-E	S-E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(08.7mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm

Mamit-24.3mm

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

06thJanuary – 10th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

(09.6mm)

Maximum Tem. (°C):20-26°C Minimum Tem. (°C):10-15°C Maximum RH (%):92-98% Minimum RH (%):73-85% Wind Direction: Easterly Cloud cover: Partially clear Wind speed: 0-2 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 23-25°C a ni ang a. A vawh lai ber in 9-11°C ni tura beisei a ni. RH san lai berin 90-100% leh a hniam lai berin 32-44% 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.

Rainfall: 08.3 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 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	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
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	((♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		7	tak a hlawi tur ani.
	Y.)	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALO AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND			Wainsing allings ton stan lei land lat
Rabi Maize	A chin hun	17 ()	4 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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	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	2	wy)	Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in		/	khuh tur ani.
rice fellow Potato	Coming store	1	Muangchang loving alu chin na tur
Potato	Sowing stage	Z AIZAWL Z	chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MATERIAL	hmunah chuan natna an kai hma bik
	1	500	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
			tur ani .
Early Cole	Black spot	1 20	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawiiaii daii tai diii.
			♣ 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
	5 1	1	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah
	1 4	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	ζ.	3 1	♣ Thlai bul vawn hnawn nana thlai bula
	1	5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
	J		➡ Thlai chhina hmun (nursery) hi hnim a
	MAMIT		to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
		A AIZAVAL	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(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	SERCHH	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
		AND AND STATE OF THE PARTY OF T	na turin a kung bulah lei vur chhoh zel
Carrot and	Sowing stage	LUNGIFI	tur ani. 4 A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani.
	. 7	The state of the	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
		1	rawn awm thina, hei hi natna tlanglawn ber ani.
		LAWNGTLAN	♣ Thlai hna lam chi leh zikhlum lam
		/ SAIHA	0 0
			Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
	1	2 1	P

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

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			#	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3. 1	1		an chaw eitur thlak sak thut loh tur
		V V		ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	La S		1-6 ah F1 vaccine pek tur ani a, chuan
	1	7		a puitlingh chuan R2B vaccine pek tur
)			ani.
	1	5 6		B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	3			coccidiostat
	T MAUNTI	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	A ATZAWIL	CH	AMPAL
	Monitoring	5	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 15		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		+	Sangha chaw hi a hmuar lohna turin
		SERCHH	(q)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	16	AND AND SECUL		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
			7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		17	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1776	6	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1		tuisen @1.5mg/l diltui a hman hian
		Laurence		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA)
			Prin	7
		1 2		2
		60	1	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngthai Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/English Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	24
Min Temp (°C)	9	9	9	9	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	96	95	93	89	89
Min RH (%)	39	38	34	31	29
Wind Speed (KmpH)	3	4	4	3	2
*Wind Direction	N-E	N-E	N-E	N-E	N-E

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

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

Aizawl- 18.1mm Cha

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):21-23°C Minimum Tem. (°C):11-13°C Maximum RH (%):94-99%

Minimum RH (%):76-88%
Wind Direction: Easterly
Cloud cover: Partially clear

Rainfall: 02.5 mm

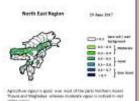
Wind speed: 2-3 km/hr

Weather forecast valid from 06th January, 2018 To 10thJanuary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 8-9°C. Maximum relative humidity is expected in the range of 89-96% and minimum may from 29-39%. Wind direction would be northeasterly 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	Fruiting 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	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer 				
STAR FRUIT	A MAMIT	AIZAWL	infestation. 4 Harvesting should be done along with twig with two leaves.				
PLUM AND PEACH	1		Diseased and senile branches should be removed				
)5	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	LUNGLEI	 ♣ 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. Replanting of new seedling 				
		LAWNGTLAN	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. 				
		SAIHA	Fruiting stage Foliar application of Mepiquat chloride				
	@ 1000 PPM concentration or 0.75%						
2 P a g e							

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			SSP @ 1.5 g per 200 lt of water 15 day
			interval.
			♣ Spray lantana camera leaf past around 3 kg/16 lt water which will giv
	1 1	J 3	effective control against drough
		7	condition.
		KOLASIB	■ Due to high humidity, high
	(temperature and less rainfall in hill
)	40	region of the district probability of rus
	8		will be high. So apply Hexaconazole @
	1	5	ml/10 lt of water.
Rubber	Vegetative	5	According to forecast and past weather
	stage		record, there is no probability of
	MAMIT	1	rainfall. So weekly irrigation is require
	§	Z AIZAWIL Z	for upcoming week or use straw mulc
	1	3	reduces soil water loss.
)(1	♣ Use grass or straw mulch to preven from water loss.
	1	The Control	↓ Medium to young seedling should b
	1	1 1	support by bamboo stake.
	1		■ 10-12 kg of well rotten organic manur
	11		and 205 cm roots phosphoto should b
		SERCHH	apply at time of planting to each pit a
	1	V Lan	basal dose application.
Strawberry	Vegetative		♣ Possibility of rain will be very less. S
	stage	0.5	provide water every alternate day.
	10		♣ Possibility to occurrence of Powder
		LUNGLEI	mildew will be high so apply an
	3	1324741117411111	sulpher based fungicide to reduc
	/	500	disease incidence.
	. 7	11 1 2	Weeding should to do properly with
CEREALS AND I	PULSE CROPS	WY .	proper fertilizer use.
Kharif Rice	Harvesting		♣ Birds scaring ribbon should be use
	stage	1 50	for scaring the birds.
			♣ Harvest all mature panicle to reduce
		LAWNGTLAN	bird damage.
		# SAIHA	♣ Harvesting should be done or
		(sunny day at least 15 cm above th
			ground for moisture conservation
		2 2 1	and no till pea and mustard/ tori
	·	114 6	3 P a g e

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			sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage	KOLASIB	Thinning must be done where more population was observed. Irrigation should be provide 3 days interval
	}	74	 Apply 2% urea solution for better growth. Weeding and earthing up should be carried out.
	A MAMIT	Actions	Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage Greengram and blackgram	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage
blackgram	35	SERCHH	plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. 4 Apply 2% urea solution to avoid stress
Zero tillage Soybean	Vegetati <mark>ve</mark> stage	Zero tillage	condition. 4 Possibility of rain will be very less. So provide water every alternate day.
cultivation in Jhum	1	LUNGLEI ~	 Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
			♣ Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister
		SAIHA	beetles and spraying of Neem oil @3ml/lit should be done. 4 Apply split dose of fertilizer for better growth.

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



VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m²)
	1	Damping off	 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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate

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			day
			♣ Seed treatment with thiram 3g/kg seed or
		5	Trichoderma viride 4g+ metalaxyl 4g
		6	(Apron)/ kg seed
	1 /	3	♣ Drenching 1% Bordeaux mixture or 2 g
	The state of	V comment of	captan or 3 copper oxychloride/ lt of water
		KOLASIB	at 10-15 DAS are effective.
French bean	Germination	la S	Possibility of rain will be less coming
	stage	7	five days. So alternate irrigation should
)		be done 2 days interval.
)	Similar	Thinning must be done.
	— 1 .		+ O1 '11' '11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Capsicum	Transplant	Poly house	Chilli will be planted in well
	stage	(pulverized and leveled field.
	5	AIZAWL	+ Chilli will be normally planted in
	1	Carrent 1	raised beds of 60 to 75 cm width.
	1	J)	♣ Application of FYM (1.5-2.0 kg/ m²)
	Also.		Provide water every alternate day.
Brinjal	Transplant		♣ Brinjal will be planted in well
	stage		pulverized and leveled field.
	1		Brinjal will be normally planted in
		SERCHN	raised beds of 60 to 75 cm width.
			♣ The transplanting is done in small
	(flat beds or in shallow furrow
			depending upon the availability of
			irrigation.
		NAME OF TAXABLE PARTY.	In heavy soil it is usually
		LUNGLEI	
	1	_	transplanted on ridges and during
		500	the rains also it is advantageous to
		17	plant the seedlings on ridges.
01 111	A		Provide water every alternate day
Chilli	Transplant	1 7 6	Chilli will be planted in well
	stage	1 50 4	pulverized and leveled field.
		1	Chilli will be normally planted in
		Laurence	raised beds of 60 to 75 cm width.
		LAWNGTLAN	\downarrow Application of FYM (1.5-2.0 kg/ m ²)
		# SAIHA	Provide water every alternate day.
Tomato	Transplant		♣ Tomato will be planted in well
	stage		pulverized and leveled field.

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			4	Tomato will be normally planted in
				raised beds of 60 to 75 cm width.
			4	The transplanting is done in small
		2		flat beds or in shallow furrow
) \	- 3		depending upon the availability of
	land.	KOLASIB (irrigation.
	J.	NULASIB	Ç.	In heavy soil it is usually
	1	60		
	/	7 2		transplanted on ridges and during
	7			the rains also it is advantageous to
	1	7		plant the seedlings on ridges.
			*	Provide water every alternate day.
	R. marine	Damping off	+	Seed treatment with thiram 3g/kg seed or
	MADNIT	3		Trichoderma viride 4g+ metalaxyl 4g
	5	ZAIZAWL Z	in.	(Apron)/ kg seed
	Y	Concerne.	-	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	1))		at 10-15 DAS are effective.
Potato	Sowing stage	1 67	4	Prepare the land for potato cultivation
7 0 0 0 0 0	Downing budge			without any further delay.
	1 6		4	This may help to avoid some bacterial
	1)			infection at growing stage.
	5	SERCHN	P4	Land may be ploughed thoroughly for
	1	V~1	- 8	proper tillage.
	(4	If land is prepared good quality of
			1	seeds may be collected for planting.
	J)		-	Cultivation from TPS is also found
	1	WHATESTA	- 3	profitable.
		LUNGLEI	4	Seed must be treated before sowing.
ANIMAL HUSBE	NDARY			
Pig	All stages	5	+	Animals must keep in dry place or
		10	1	kept in alleviated area and dry bedding
	/		X	(straw) to be provided to young
		7 (1	3	animals.
	N.	1 6 4	+	1st injection at 6 months of age and
		(2	2nd injection at 12 months of age
		1		followed by annual vaccination under
		LAWNGTLAN		vet supervision against FMD.
		# SAIHA	*	Reduce concentrate diet up to 5%.
			- *	Provide adequate potable water.
			-+	In present weather conditions
		N CO		vaccinate against swine fever (Vaccines
		1 4		7 P a g e

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			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
) \	Syndrome (PRRS).	
Cattle	All age group	KOLASIB AIZAWL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals.
		SERCHH	 ♣ 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	LUNGLEI	Day old chick: HvI Marek disease
			vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD

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			vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
	-	1	fowl pox vaccine and 56-70 days:
	1 1	1	RD R-2B strain.
DIGITODIA	1 1	5	♣ Remove wet litter.
FISHERY		KOLASIB	
	Monitoring of fish in pond	L- {	♣ 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.
	1	5	Fish feed should be stored in cool and
	3 MAMIT		dry place to avoid fungal growth that releases aflatoxin which could lead to
	1	LAIZAWL I	mortality of fish.
	1		Fish harvesting may be carried out by
	1	(complete dewatering of pond. After dewatering, the pond may be prepared
	1	1 5	for the next cycle by sundrying of
) 6		bottom, applying lime, manure,
	1		fertilizers etc.
		SERCHN	Fish needs to be monitored regularly to
	1	V~1~	observe any sign of diseases and if
	1		disease is observed, consult expert
	1		immediately and water sample needs to be analyzed.
	1		Immediate measure of application of
		LUNGLEI	lime and potassium permanganate
	3	THE PROPERTY OF THE PARTY OF TH	@50kg/ha and 1.5mg/l respectively in
		55	the pond helps in avoiding fish
		11 (2	mortality.
		M	
		LAWNGTLAN	
		SAIHA	
		6 1	0 D o o o
		-	9 P a g e

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/Mizo

Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	24
Min Temp (°C)	9	9	9	9	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	96	95	93	89	89
Min RH (%)	39	38	34	31	29
Wind Speed (KmpH)	3	4	4	3	2
*Wind Direction	N-E	N-E	N-E	N-E	N-E

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

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

Aizawl- 283.0mm Cham

Champhai- 0.00mm

Saiha- 57.9 mm

Kolasib- 50.0mm

(44.8mm)

(35.9mm)

(64.0mm)

(34.8mm) Serchhip-234.8mm

Lawngtlai-135.3mm (54.1mm)

Lunglei-130.3mm (33.7mm)

Mamit-231.0mm (17.9mm)

(56.3mm)

Weather summary of the past three days

Maximum Tem. (°C):21-23°C

Minimum Tem. (°C):11-13°C Maximum RH (%):94-99% Minimum RH (%):76-88% Wind Direction: Easterly

Cloud cover: Partially clear

Wind speed: 2-3 km/hr

06thJanuary – 10th January, 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 24-25°C a ni ang a. A vawh lai ber in 8-9°C ni tura beisei a ni. RH san lai berin 89-96% leh a hniam lai berin 29-39% 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: 02.5 mm

North Card Region 29 Ass. 2017

15. Sec. 2017

15.

Moderately wet mildly dry/mildly wet conditions

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(0	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1	3	paih fai vek tur ani.
]	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Interview	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL Y	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
	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
	10		tawkah chuan: Arabica / robusta
		SERCHH	
		(Senon	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-
		TOTAL STREET	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Yes,	1 7 7 7 1 1 1 1 1 1 1
Rabi Maize	A chin hun	m 700	→ Vaimim chinna tur atan lei kan let
		3 (phut darh anga.
	()		Hei hian a rawn to chhuah na tur atan
	į.		a pui dawn a ni.
	i i	1 -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Lamorana	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	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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	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 HUSBENDARY							
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 				
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.				
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.				
Cattle	All age group	SERCHH	 Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani. 				
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.				
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 				
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.				

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/English Date of issue: 05th January, 2018

	1. 1.	P	(
Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	25	24	25
Min Temp (°C)	8	8	8	7	7
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	90	95	90	100	90
Min RH (%)	33	31	28	24	22
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	N-E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm S

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

(12.1mm)

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

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

(09.6mm)

(12.9mm)

weather summary of the past	C
three days	
Maximum Tem. (°C):14-17°C	
Minimum Tem (°C)·7-9°C	

Maximum RH (%):94-99%
Minimum RH (%):72-85%
Wind Direction: Easterly

Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 05.4 mm

Weather forecast valid from 06th January, 2018 To 10thJanuary, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-26°C and 7-8°C. Maximum relative humidity is expected in the range of 90-100% and minimum may from 22-33%. Wind direction would be easterly to northeasterly and easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Renth test Region 10 August 2017

April Mark Septem 10 August 2017

April Mark Septem 10 August 2017 International August 2017 Int

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	Fruiting 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	}	375	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer
STAR FRUIT PLUM AND	MAMIT	AIZAWL	infestation. Harvesting should be done along with twig with two leaves.
PEACH	1	3	Diseased and senile branches should be removed
)5	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	LUNGLEI	 ♣ 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. Replanting of new seedling
		LAWNGTLAN	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings.
		SAIHA	Fruiting stage
		1 2 1	Foliar application of Mepiquat chloride © 1000 PPM concentration or 0.75%
	1	111	2 Page

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				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
			+	Spray lantana camera leaf paste
		6		around 3 kg/16 lt water which will give
) [- 3		effective control against drought
	1	V comment of		condition.
	J.	KOLASIB	+	Due to high humidity, high
	1	En S	-0	temperature and less rainfall in hilly
	7	77 2 7		region of the district probability of rust
	2			will be high. So apply Hexaconazole @ 1
)	5 6		ml/10 lt of water.
Rubber	Vegetative		+	According to forecast and past weather
	stage			record, there is no probability of
	MAMIT	1		rainfall. So weekly irrigation is required
	§	Z AIZAWL Z		for upcoming week or use straw mulch
)			reduces soil water loss.
	1	1	*	Use grass or straw mulch to prevent
	1	1 26		from waterloss.
	- /		-	Medium to young seedling should be support by bamboo stake.
			_	10-12 kg of well rotten organic manure
	1)			and 225 gm rock phosphate should be
		SERCHH	ΙŦ	apply at time of planting to each pit as
	1	V		basal dose application.
Strawberry	Vegetative		4	Possibility of rain will be very less. So
Scrawborry	stage		·	provide water every alternate day.
	stage		4	Possibility to occurrence of Powdery
		LUNGLEI		mildew will be high so apply any
	>	10000000000000000000000000000000000000		sulpher based fungicide to reduce
	1	y***		disease incidence.
		W 500	4	Weeding should to do properly with
		1/6		proper fertilizer use.
CEREALS AND I	PULSE CROPS			
Kharif Rice	Harvesting		4	Birds scaring ribbon should be used
	stage	-3		for scaring the birds.
			4	Harvest all mature panicle to reduce
		LAWNGTLAN		bird damage.
		# SAIHA	+	Harvesting should be done on
		1		sunny day at least 15 cm above the
			0	ground for moisture conservation
		N R		and no till pea and mustard/ toria
		1111		3 Page

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	7	1	sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14%
Rabi Maize	Vegetative stage	KOLASIB	moisture. 4 Thinning must be done where more population was observed. 4 Irrigation should be provide 3 days interval
		74	 Apply 2% urea solution for better growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be
	(MAMIT	}	more so apply any contact poison for reducing pest population.
Zero tillage Greengram	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done.
and blackgram	35		Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should
		SERCHH	be done. Apply 2% urea solution to avoid stress condition.
Zero tillage Soybean	Vegetati <mark>ve</mark> stage	Zero tillage	 ♣ Possibility of rain will be very less. So provide water every alternate day. ♣ Wooding should be dare.
cultivation in Jhum	1	LUNGLEI	 Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
			♣ Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister
		LAWNGTLAL	beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better growth.

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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ♣ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/ m2) ✓ Fertilizer application 180:50:50 kg/ha.
		Damping off	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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate day
		SAIII	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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			♣ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Germination		♣ Possibility of rain will be less coming
	stage	1	five days. So alternate irrigation should
	1	7	be done 2 days interval.
	y	KOLASIB	♣ Thinning must be done.
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
•	stage	any)	and leveled field.
		2 1	♣ Chilli will be normally planted in
	30		raised beds of 60 to 75 cm width.
	1		♣ Application of FYM (1.5-2.0 kg/ m²)
	:-)	/*	♣ Provide water every alternate day.
Brinjal	Transplant		# Brinjal will be planted in well
	stage	1	pulverized and leveled field.
	Stage	(AIZAVVL	# Brinjal will be normally planted in
	l.	30	raised beds of 60 to 75 cm width.
	1	(3	The transplanting is done in small flat
	4	1 5 5	beds or in shallow furrow depending
	1 1	1	upon the availability of irrigation.
	1		In heavy soil it is usually transplanted
	11		on ridges and during the rains also it
		SERCHN	is advantageous to plant the seedlings
	-		on ridges.
			♣ Provide water every alternate day
Chilli	Transplant		♣ Chilli will be planted in well pulverized
	stage		and leveled field.
	songo	LUNGLEI	Chilli will be normally planted in
		100000000000000000000000000000000000000	raised beds of 60 to 75 cm width.
	1/4		♣ Application of FYM (1.5-2.0 kg/ m²)
	<u></u>	W E	Provide water every alternate day.
Tomato	Transplant	31	♣ Tomato will be planted in well
	stage	Car Su	pulverized and leveled field.
			♣ Tomato will be normally planted in
) F3 Y	raised beds of 60 to 75 cm width.
			↓ The transplanting is done in small flat
		LAWNGTLAND	beds or in shallow furrow depending
		SAIHA	upon the availability of irrigation.
		(SAINA	↓ In heavy soil it is usually transplanted
			on ridges and during the rains also it
		1 15	is advantageous to plant the seedlings
		The second second	

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			on ridges.
			Provide water every alternate day.
French bean	Germination		4 Possibility of rain will be less coming
	stage	1	five days. So alternate irrigation should
	7 \	- 1	be done 2 days interval.
	The second	KOLASIB	♣ Thinning must be done.
	J.	The state of the s	4
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
	stage	7 2	and leveled field.
	2		4 Chilli will be normally planted in
)	5	raised beds of 60 to 75 cm width.
	1		♣ Application of FYM (1.5-2.0 kg/ m²)
	2	1	Provide water every alternate day.
Potato	Sowing stage)	Prepare the land for potato cultivation
	S	Z AIZAWL Z	without any further delay.
	1	Communication 1	4 This may help to avoid some bacterial
	1)	infection at growing stage.
	1		↓ Land may be ploughed thoroughly for
	1		proper tillage.
) 6		
	1		seeds may be collected for planting.
		SERCHN	Cultivation from TPS is also found
			profitable.
	V.	The state of	♣ Seed must be treated before sowing.
ANIMAL HUSBEI	NDARY		
Pig	All stages		🖊 Animals must keep in dry place or
	7(kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3	and the state of t	animals.
	- 1	C	↓ 1st injection at 6 months of age and
	. 7	7	2nd injection at 12 months of age
			followed by annual vaccination under
	l l	(19 20)	vet supervision against FMD.
	-		♣ Reduce concentrate diet up to 5%.
	l l	-5	Provide adequate potable water.
			♣ In present weather conditions
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		PAHIA	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	72
		G /	710
			7 P a g e

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		Syndrome (PRRS).	
Cattle	All age group	KOLASIB	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. 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
Poultry	All age group	SERCHH	teamed short. ♣ Provide preventive dose of anti-coccidial drugs to poultry. ♣ Proper ventilation of shed.
	1	LUNGLEI	 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
		LAWNGTLAL	recommended doses. Uaccination 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
		SAIL SAIL	weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.

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FISHERY Monitoring of fish in pond Care should be taken that fish are feed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After	FISHERY Monitoring of fish in pond Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of				↓ D∧	move wet litter
Monitoring of fish in pond Care should be taken that fish are feed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete, dewatering, of pond. After	Monitoring of fish in pond Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. 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.	FISHERY			* Ke	move wet muer.
dewatering, the pond may be prepared for the next cycle by sundrying o bottom, applying lime, manure fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and i disease is observed, consult experimental immediately and water sample needs to	Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.	FISHERY	fish in pond	AIZAVA.	↓ Ca with fee fev Fis dry rel mo ↓ Fis con de for bo fer ↓ Fis ob dis im	th feed that are free from fungus. If a fungal growth is observed in fish and, the feed needs to be sundried for a days prior to feeding. She feed should be stored in cool and a place to avoid fungal growth that eases aflatoxin which could lead to obtain the property of fish. She harvesting may be carried out by emplete dewatering of pond. After watering, the pond may be prepared to the next cycle by sundrying of the next cycle by sundrying of the next cycle by sundrying of the needs to be monitored regularly to serve any sign of diseases and if sease is observed, consult expert mediately and water sample needs to
LAWNGTLAL				4 1 7		9 P a g e

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SAIHA

LAWNGTLAL

CHAMPAI

10 | P a g e

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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: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/Mizo

Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	25	24	25
Min Temp (°C)	8	8	8	7	7
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	90	95	90	100	90
Min RH (%)	33	31	28	24	22
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	N-E	E	E	E

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

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

Aizawl- 18.1mm Ch

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm) Mamit-24.3mm

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

(09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):14-17°C

Minimum Tem. (°C):7-9°C Maximum RH (%):94-99% Minimum RH (%):72-85%

Wind Direction: Easterly
Cloud cover: Partially clear

Wind speed: 2-3 km/hr

06thJanuary – 10th January, 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 24-26°C a ni ang a. A vawh lai ber in 7-8°C ni tura beisei a ni. RH san lai berin 90-100% leh a hniam lai berin 22-33% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 05.4 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

North East Region 22 Area 2017

15 amount one of the parts increase from our finding region in color for mental and the parts of the parts increase from our finding region in color for mental and region in color for m

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
	-	thin a ni.
		♣ A rah hmin tha lo ho chu nuai sawm
3	1 /	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
y .	borer	ani.
(00101	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
(3 1	ani.
3.		♣ Seng bang zawng zawng chu uluka taka
Į.	2	paih fai vek tur ani.
	20	♣ A thlai vennan a rah tlai ho chu paih vek
5 00	NAME OF THE PARTY	tur ani.
7 100	AMIT (Hmun dam lutukah dah loh tur.
1	LAIZAWL 1	Boruak tha taka a hmuh theih nan leh a
1	3	rawn chawr no theih nan thlai chu uluk
7.)	tak a hlawi tur ani.
A.		Chuan hei hian kah tur ani. Quinalphos 25
1		EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
()		In leh loa sawngbawln a a ro dan tur
		tawkah chuan: Arabica / robusta
- Z	SERCH	
	(~)	robusta cherry 11.0 %.
Y 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 -
1		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	· · · · · · · · · · · · · · · · · · ·	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROP		
Rabi Maize A chin hi	in L	✓ Vaimim chinna tur atan lei kan let
	131	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 6 4	4 A chi chu kan lei leh saah chuan kan
	(dah ang.
	1	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAL	sawngbawl hmasa anga.
) SAIH	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
	20	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
<u> </u>	1111	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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	5		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	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		Muangahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
10111400	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	→ Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 20 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the second	♣ Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	sa vangin a iman an um uum rawii

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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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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	()		1-6 ah F1 vaccine pek tur ani a, chuan
	mousuros	Wy)		a puitlingh chuan R ₂ B vaccine pek tur
	3			ani.
	1	5	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	J. WAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3	1	chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	CIIKAWI			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	1			thin, aflatoxin avang a sangha thi lak
	-			atangin sangha a him phah thin.
	1		+	Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	0.0	buatsaih a ti awlsam a, dil mawng
	3	the All House	1	phoro, chinai phul, leitha hman leh tul
	200	Co.		dang in dil buatsaih tur ani.
		17	1	Sangha te natna lak atangin an him em
			(tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui
		198		enfiah vat tur ani.
			4	A ranglam a chinai @50kg/ha leh
		-3		tuisen @1.5mg/l diltui a hman hian
		The same of the sa		sangha natna avang a thi tur lak
		LAWNGTLAND		atangin a veng thei.
	1	SAIH	À	
				C-1
			1	7
		NA	5	

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/English Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	23
Min Temp (°C)	11	10	10	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	90	90	90	98	100
Min RH (%)	36	35	33	30	27
Wind Speed (KmpH)	2	3	3	2	2
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm) Lawngtlai-06.4mm (12.1mm) (10.0mm)
nglei-07.4mm Mamit-24.3mm

(14.4mm) Serchhip-17.7mm

(07.1mm)

Lunglei-07.4mm (08.7mm)

(09.6mm)

(12.9mm)

Weather summary of the past three days

Maximum Tem. (°C):21-24°C

Minimum Tem. (°C):12-15°C Maximum RH (%):95-98% Minimum RH (%):74-88% Wind Direction: Easterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Rainfall: 10.2 mm

Weather forecast valid from 06th January, 2018 To 10th January, 2018.

There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 23-25°C and 9-11°C. Maximum relative humidity is expected in the range of 90-100% and minimum may from 27-36%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Suppose

12 Augus 207

23 Augus 207

24 Augus 207

25 Augus 207

26 Augus 207

26 Augus 207

26 Augus 207

27 Augus 207

28 Aug

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	Fruiting 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	}	375	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer 			
STAR FRUIT	MAMIT	AIZAWL	infestation. 4 Harvesting should be done along with twig with two leaves.			
PLUM AND PEACH	1		Diseased and senile branches should be removed			
)5	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	LUNGLEI	 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. Replanting of new seedling 			
		LAWNGTLAN	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. 			
		SAIHA	Fruiting stage Foliar application of Mepiquat chloride			
		0	@ 1000 PPM concentration or 0.75%			
2 P a g e						

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			SSP @ 1.5 g per 200 lt of water 15 days
			interval.
			♣ Spray lantana camera leaf paste
	()	6	around 3 kg/16 lt water which will give
) /		effective control against drought
	1	KOLASIB	condition.
	1	NOLASIBI -	♣ Due to high humidity, high
)	60	temperature and less rainfall in hilly
	(3 4 /	region of the district probability of rust
	7		will be high. So apply Hexaconazole @ 1
Rubber	Vogototiro		ml/10 lt of water. ♣ According to forecast and past weather
Kubber	Vegetative	7/	record, there is no probability of
	stage		rainfall. So weekly irrigation is required
	2. 10000000		for upcoming week or use straw mulch
	1	(AIZAWL C	reduces soil water loss.
	1	5	♣ Use grass or straw mulch to prevent
	45		from water loss.
	1		♣ Medium to young seedling should be
	1 6		support by bamboo stake.
	1)		↓ 10-12 kg of well rotten organic manure
	-	SERCHNIF	and 225 gm rock phosphate should be
	1	V~t~	apply at time of planting to each pit as basal dose application.
Strawberry	Vegetative		Possibility of rain will be very less. So
Scrawberry	stage		provide water every alternate day.
	stage		Possibility to occurrence of Powdery
		LUNGLEI	mildew will be high so apply any
	3	HARAGE HILL	sulpher based fungicide to reduce
	1	2000	disease incidence.
	5	7	♣ Weeding should to do properly with
			proper fertilizer use.
CEREALS AND I			+ D' 1 ' '11 1 111 1
Kharif Rice	Harvesting	([]]	Birds scaring ribbon should be used
	stage	(-3)	for scaring the birds.
		AND DESCRIPTIONS OF THE PARTY O	Harvest all mature panicle to reduce
		LAWNGTLAN	bird damage. Harvesting should be done on
		SAIHA	sunny day at least 15 cm above the
			ground for moisture conservation
			and no till pea and mustard/ toria
		0 0	
		4	3 P a g e

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		1	sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage	KOLASIB	 Thinning must be done where more population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better
	MAMIT		growth. 4 Weeding and earthing up should be carried out. 4 Leaf and stem cutter insect will be more so apply any contact poison for
Zero tillage Greengram	Vegetative stage	Zero tillage	reducing pest population. 4 Possibility of rain will be very less. So provide water every alternate day.
and blackgram	35	SERCHH	 Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
		V	Apply 2% urea solution to avoid stress condition.
Zero tillage Soybean cultivation in	Vegetati <mark>ve</mark> stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done.
Jhum	1	LUNGLEI	 Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress
Zero tillage Toria	Vegetative stage	Zero tillage	 condition. Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister
		SAIHA	bootles and amorring of Nears ail

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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ♣ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m2)
	1	Damping off	■ 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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during

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			day
			Seed treatment with thiram 3g/kg seed or
		5	Trichoderma viride 4g+ metalaxyl 4g
		6	(Apron)/ kg seed
	1 (3	♣ Drenching 1% Bordeaux mixture or 2 g
	The state of	V comment of	captan or 3 copper oxychloride/ lt of water
		KOLASIB	at 10-15 DAS are effective.
French bean	Germination	la S	Possibility of rain will be less coming
	stage	7	five days. So alternate irrigation should
)		be done 2 days interval.
)	Similar	♣ Thinning must be done.
	— 1 .		+ O1 '31' '31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Capsicum	Transplant	Poly house	Chilli will be planted in well
	stage	(pulverized and leveled field.
	5	AIZAWL	+ Chilli will be normally planted in
	1	Carrent 1	raised beds of 60 to 75 cm width.
	1	J)	♣ Application of FYM (1.5-2.0 kg/ m²)
	Also.		Provide water every alternate day.
Brinjal	Transplant	100	♣ Brinjal will be planted in well
	stage		pulverized and leveled field.
	1		Brinjal will be normally planted in
		SERCHN	raised beds of 60 to 75 cm width.
			♣ The transplanting is done in small
	(flat beds or in shallow furrow
			depending upon the availability of
			irrigation.
		NAME OF TAXABLE PARTY.	In heavy soil it is usually
		LUNGLEI	
	1	_	transplanted on ridges and during
		500	the rains also it is advantageous to
		17	plant the seedlings on ridges.
			Provide water every alternate day
Chilli	Transplant	100	+ Chilli will be planted in well
	stage	1 50 4	pulverized and leveled field.
		1	4 Chilli will be normally planted in
		A commence of the	raised beds of 60 to 75 cm width.
		LAWNGTLAN	Application of FYM (1.5-2.0 kg/ m²)
		# SAIHA	Provide water every alternate day.
Tomato	Transplant		♣ Tomato will be planted in well
	stage		pulverized and leveled field.

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			4	Tomato will be normally planted in	
				raised beds of 60 to 75 cm width.	
			4	The transplanting is done in small	
	1 1	1		flat beds or in shallow furrow	
	1 1	5		depending upon the availability of	
		KOLASIB		irrigation.	
	1	1	V.	In heavy soil it is usually	
)	Line 1		transplanted on ridges and during	
	(3 0 1		the rains also it is advantageous to	
	7			plant the seedlings on ridges.	
	1	3	4	Provide water every alternate day.	
	- 1	Demains	4	Seed treatment with thiram 3g/kg seed or	
	MAMIT	Damping off	_	Trichoderma viride 4g+ metalaxyl 4g	
	7. 1022000	1	4400	(Apron)/ kg seed	
	3.0	LAIZAVVI.	CI4	Drenching 1% Bordeaux mixture or 2 g	
		2		captan or 3 copper oxychloride/ lt of water	
	11	1		at 10-15 DAS are effective.	
Potato	Sowing stage	1 66	+	Prepare the land for potato cultivation	
	1 1			without any further delay.	
	160		+	This may help to avoid some bacterial	
	1			infection at growing stage.	
		SERCHN	IP#(Land may be ploughed thoroughly for	
	No.	V Lang		proper tillage.	
			*	If land is prepared good quality of	
	- 4			seeds may be collected for planting.	
	35		7	Cultivation from TPS is also found profitable.	
		LUNGLEI	40	Seed must be treated before sowing.	
ANIMAL HUSBE	NDARY	THE PART OF THE PA	-	Seed must be treated before sowing.	
Pig	All stages	500	-	Animals must keep in dry place or	
		FT /	30	kept in alleviated area and dry bedding	
	1		N.	(straw) to be provided to young	
		7 (1	3	animals.	
			+	1st injection at 6 months of age and	
		1	2	2nd injection at 12 months of age	
		1		followed by annual vaccination under	
		LAWNGTLAN		vet supervision against FMD.	
		# SAIHA	*	Reduce concentrate diet up to 5%.	
			_	Provide adequate potable water.	
		1 = 1	-	In present weather conditions	
		W 1		vaccinate against swine fever (Vaccines	
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			available in State Veterinary Departs)
		Porcine	Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
) \	Syndrome (PRRS).	
Cattle	All age group	KOLASIB	♣ 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
	AMAMIT		 antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
	1	A AIZAWL	in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under
	35		vet supervision. Separate sick animals. The animal should be washed with
		SERCHH	lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the
	1		udder/stomach/back legs should be teamed short.
Poultry	All age group	LUNGLEI	 Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed.
	,}	N E	Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water
	Ì	Y Z	 Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
		LAWNGTLANSAIHA	 Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease
		221	vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD

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			vaccina 25 days. E/Lacata 6.7
			vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
	1	1	RD R-2B strain.
DIGITEDY	1 1	5	Remove wet litter.
FISHERY		KOLASIB	
	Monitoring of		♣ Care should be taken that fish are fed with feed that are free from fungus. If
	fish in pond	W)	the fungal growth is observed in fish
)		feed, the feed needs to be sundried for
	/	2 5	few days prior to feeding.
	- J		Fish feed should be stored in cool and
	MAMIT		dry place to avoid fungal growth that releases aflatoxin which could lead to
	(DOM: 100	4.73.44	mortality of fish.
	1	(AIZAWL)	Fish harvesting may be carried out by
	1	1	complete dewatering of pond. After
	1	3 6 6	dewatering, the pond may be prepared
	1		for the next cycle by sundrying of
	13.5		bottom, applying lime, manure, fertilizers etc.
		SERCHH	
		(Schoning	observe any sign of diseases and if
	1		disease is observed, consult expert
			immediately and water sample needs to
	1.0	- 2	be analyzed. Immediate measure of application of
		LUNGLEI	lime and potassium permanganate
	3	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NA	@50kg/ha and 1.5mg/l respectively in
	- 1	50	the pond helps in avoiding fish
		17 (mortality.
		PI	
		775)
		1 55 7	
			4
		LAWNGTLAN	V
		SAIHA	
			4
		1 = 1	
		to V	010000
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/Mizo

	1. 1.	P	5		
Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	23
Min Temp (°C)	11	10	10	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	90	90	90	98	100
Min RH (%)	36	35	33	30	27
Wind Speed (KmpH)	2	3	3	2	2
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm Kolasib- 21.4mm

Date of issue: 05th January, 2018

(11.6mm)

(12.1mm) (

(10.0mm) (14.4mm)

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

Serchhip-17.7mm (12.9mm)

Weather summary of the past three days

06thJanuary – 10th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):21-24°C Minimum Tem. (°C):12-15°C Maximum RH (%):95-98% Minimum RH (%):74-88% Wind Direction: Easterly Cloud cover: Partially clear Wind speed: 2-3 km/hr Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 23-25°C a ni ang a. A vawh lai ber in 9-11°C ni tura beisei a ni. RH san lai berin 90-100% leh a hniam lai berin 27-36% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 10.2 mm

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

North East Region 29 Ass 2017

10 Ass 2017

Mildly dry condition occurs in all districts of Mizoram.

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

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

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

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

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	0-3 WEER		1-6 ah F1 vaccine pek tur ani a, chuan
	measures	wy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	Same	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAVA	CH	AMPAI (
	Monitoring		T.	Sangha te hi chaw a hmuar kai lo
	(Sangha	1		chauh pek thin tur ani. Sangha chaw a
	,	3 6 (lo hmuar anih chuan pek hma in ni sa
	enkawl)		1	a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	1)			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	-	V Long		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	0.0	buatsaih a ti awlsam a, dil mawng
	3	the contract of the contract o	1	phoro, chinai phul, leitha hman leh tul
		000		dang in dil buatsaih tur ani.
		17 ()	1	Sangha te natna lak atangin an him em
)		(0	tih enfiah fo a tha a, natna hmuh anih
	1	19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
			1	A ranglam a chinai @50kg/ha leh
		20		tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	1	<u> </u>
				<u></u>
			1	2
		N 1	5	

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 06 December - 10 December, 2018

Date of issue: 05th January, 2018 Bulletin No: - 760/2018/ Bulletin/English

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	25	24
Min Temp (°C)	9	9	9	9	8
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	98	98	98	98	98
Min RH (%)	26	29	25	14	18
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- December 1-31, 2017 (Percent of deviation from normal in parenthesis)

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

Saiha- 13.9 mm Kolasib- 21.4mm

(11.6mm)

Lunglei-07.4mm

(10.0mm)Mamit-24.3mm

(14.4mm)Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

(08.7mm)

(09.6mm)

(12.9mm)

Weather summary of the past three days Maximum Tem. (°C):18-21°C

Minimum Tem. (°C):10-11°C Maximum RH (%):92-97%

Minimum RH (%):72-85% Wind Direction: Easterly Cloud cover: Partially clear Wind speed: 0-2 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 06th January, 2018 To 10th January, 2018.

There are no chances of rainfall during next 5 days. The maximum and minimum temperatures for the next 5 days may range for 24-25°C and 8-9°C. Maximum relative humidity is expected in the range of 98% and minimum may from 14-26%. 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	Fruiting 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	}	375	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer 			
STAR FRUIT	A MAINIT	AIZAWL	infestation. Harvesting should be done along with twig with two leaves.			
PLUM AND PEACH	1		Diseased and senile branches should be removed			
)5	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	LUNGLEI	 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. Replanting of new seedling 			
		LAWNGTLAN	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. 			
		SAIHA	Fruiting stage Foliar application of Mepiquat chloride			
		P 1	@ 1000 PPM concentration or 0.75%			
2 P a g e						

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				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
		1		Spray lantana camera leaf paste around 3 kg/16 lt water which will give
	1 1	J 3		effective control against drought
		7		condition.
		KOLASIB		Due to high humidity, high
	(temperature and less rainfall in hilly
)	Way 1		region of the district probability of rust
	8			will be high. So apply Hexaconazole @ 1
	1	5		ml/10 lt of water.
Rubber	Vegetative	5		According to forecast and past weather
	stage			record, there is no probability of
	MAMIT	1		rainfall. So weekly irrigation is required
	§ .	Z AIZAWIL Z		for upcoming week or use straw mulch
	1	3		reduces soil water loss.
)	1		Use grass or straw mulch to prevent from waterloss.
	1	3 646		Medium to young seedling should be
	1	1 3 3		support by bamboo stake.
	1			10-12 kg of well rotten organic manure
	11			and 225 gm rock phosphate should be
		SERCHN	944	apply at time of planting to each pit as
	1	M. Lan		basal dose application.
Strawberry	Vegetative		#]	Possibility of rain will be very less. So
	stage	0.5	_ 1	provide water every alternate day.
	10			Possibility to occurrence of Powdery
		LUNGLEI		mildew will be high so apply any
	3	132.47.41.11.77.11.11.11		sulpher based fungicide to reduce
	1.1	500		disease incidence.
	. 7	W (>>		Weeding should to do properly with
CEREALS AND I	PULSE CROPS	3/1/2]	proper fertilizer use.
Kharif Rice	Harvesting	3 1 5 7 1	4]	Birds scaring ribbon should be used
	stage) = 1		for scaring the birds.
				Harvest all mature panicle to reduce
		LAWNGTLAN	1	bird damage.
		SAIHA	4]	Harvesting should be done on
			;	sunny day at least 15 cm above the
				ground for moisture conservation
		n 12 (and no till pea and mustard/ toria
		114 1		3 P a g e

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		7	sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage	KOLASIB	 Thinning must be done where more population was observed. Irrigation should be provide 3 days interval Apply 2% urea solution for better
	} MADMIT		growth. Weeding and earthing up should be carried out. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage Greengram and blackgram	Vegetative stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.
Zero tillage Soybean cultivation in	Vegetative stage	Zero tillage	 Apply 2% urea solution to avoid stress condition. Possibility of rain will be very less. So provide water every alternate day. Weeding should be done.
Jhum	3	LUNGLEI	 Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Vegetative stage	Zero tillage LAWNGTLAL SAIHA	 Possibility of rain will be very less. So provide water every alternate day. Weeding should be done. Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better

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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ♣ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/ m2) ✓ Fertilizer application 180:50:50 kg/ha.
		Damping off	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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate day
		SAIII)	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed

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			Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
French bean	Germination stage	KOLASIB	at 10-15 DAS are effective. Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Thinning must be done.
Capsicum	Transplant stage	Poly house	 Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Brinjal	Transplant stage	AIZAWL	 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day
Chilli	Transplant stage	LUNGLEI	Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Tomato	Transplant stage	LAWNGTLAL	 Tomato will be planted in well pulverized and leveled field. Tomato will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings

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			on ridges.
			♣ Provide water every alternate day.
French bean	Germination		♣ Possibility of rain will be less coming
	stage	6	five days. So alternate irrigation should
	7 \		be done 2 days interval.
	The second	KOLASIB	♣ Thinning must be done.
	J.	The state of the s	4
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
	stage	7 2	and leveled field.
	2		4 Chilli will be normally planted in
)	5	raised beds of 60 to 75 cm width.
	1		♣ Application of FYM (1.5-2.0 kg/ m²)
	2	0	Provide water every alternate day.
Potato	Sowing stage	}	Prepare the land for potato cultivation
	S	AIZAWL I	without any further delay.
	1	Carrent 1	
	1	j)	infection at growing stage.
	1		↓ Land may be ploughed thoroughly for
	1		proper tillage.
) 6		
	1		seeds may be collected for planting.
		SERCHN	Cultivation from TPS is also found
		~	profitable.
	Y.	100	Seed must be treated before sowing.
ANIMAL HUSBEI	NDARY		
Pig	All stages		4 Animals must keep in dry place or
			kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3		animals.
		-23	▶ 1st injection at 6 months of age and
	100	77	2nd injection at 12 months of age
			followed by annual vaccination under
	()	(by 20)	vet supervision against FMD.
	<u> </u>		Reduce concentrate diet up to 5%.
		35	Provide adequate potable water.
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		P SAIHA	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	and the
		Respiratory	72
		6 1 1	710
			7 P a g e

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		Syndrome (PRRS).		
Cattle	All age group		4	In present weather conditions, special
				care should be taken against attack of maggots in the wounds of animals.
	1 1	8		Application of turpentine oil in the
		7		wounds followed by application of
		KOLASIB		antibiotics for five days is advised.
	(V. (4	Provide UMB/Molases if possible in the
)	GA,	_	feed
	8		4	Provide 10-30 ml of vitamin B-Complex
	5	San Car		in feed
	-		4	1st injection at 6-8 weeks of age, 2nd
	2			injection after 6 months of 1st injection
	MAMIT	(followed by annual vaccination under
	5	AIZAWL I	SAL.	vet supervision.
	1	Contenue:	#	Separate sick animals.
	1	5	4	The animal should be washed with
	A.S.			lukewarm water added with little
	1			potash (KMnO4) or neem leaves.
	1 6		+	Long hair near the
)			udder/stomach/back legs should be
	444	SERCHH	P	teamed short.
Poultry	All age group	V~	*	Provide preventive dose of anti-coccidial
	(drugs to poultry.
		1		Proper ventilation of shed. Provide glucose/electral along with
	Ji.		-	vitamin supplements (@5- 6ml/100
		A COMPANIES		birds) with adequate potable water
		LUNGLEI	4	Avoid overcrowding.
	12		4	Provide broad-spectrum antihelminthic
	, h	m Em	-	drugs under vet supervision and
		1	1	recommended doses.
	(Vij Si V	4	Vaccination as per the schedule with
			9	proper consultation with vet.
	n n	J -3 7	3	> Day old chick: HVT Marek disease
		1	- 83	vaccine, 4-7 days:¬ F/Lasota, 14-18
		LAWNGTLAN		days: Intermediate plus/IBD
		SAIHA		vaccine, 35 days: F/Lasota, 6-7
				weeks: Chicken embryo adopted
			(mily)	fowl pox vaccine and 56-70 days:
		2 5		RD R-2B strain.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		4	Remove wet litter.
Monitoring of fish in pond	KOLASIB	4 CH/	Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to mortality of fish. Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc. 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.
	LAWNGTLAU SAIHA	1	
	fish in pond	MAMIT AIZAWL LUNGLEI	MAMIT AIZAWL CHI

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters Rainfall (mm) Max Temp (°C) Min Temp (°C) **Cloud Coverage** Max RH (%) Min RH (%)

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: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/Mizo

1 1	6			
06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
0	0	0	0	0
25	25	25	25	24
9	9	9	9	8
Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
98	98	98	98	98
26	29	25	14	18
4	3	4	4	4

Date of issue: 05th January, 2018

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

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

Aizawl- 18.1mm

Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

 \mathbf{E}

(10.0mm)

(14.4mm)

Lawngtlai-06.4mm (07.1mm)

Wind Speed (KmpH)

*Wind Direction

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

Weather summary of the past three days

Maximum Tem. (°C):18-21°C

Minimum Tem. (°C):10-11°C Maximum RH (%):92-97% Minimum RH (%):72-85% Wind Direction: Easterly

Cloud cover: Partially clear Wind speed: 0-2 km/hr

Rainfall: 00.0 mm

06thJanuary - 10th January, 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 24-25°C a ni ang a. A vawh lai ber in 8-90C ni tura beisei a ni. RH san lai berin of 98% leh a hniam lai berin 14-26% 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

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 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		<i>y</i>	
	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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
	-	thin a ni.
		♣ A rah hmin tha lo ho chu nuai sawm
7.	1 / 2	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
1	borer	ani.
4	50101	♣ Hmaih neih nuaih loh tur ani.
)	Way 3	♣ Sneg hmaih te lakkhawma paih vek tur
(1 1	ani.
¥	1	♣ Seng bang zawng zawng chu uluka taka
J.	2	paih fai vek tur ani.
	20	4 A thlai vennan a rah tlai ho chu paih vek
5	Urr C	tur ani.
J' MAC	With I	Hmun dam lutukah dah loh tur.
1	LAIZAWL /	Boruak tha taka a hmuh theih nan leh a
1	3	rawn chawr no theih nan thlai chu uluk
1)	tak a hlawi tur ani. Line tak a hlawi tur ani. Chuan hei hian kah tur ani. Quinalphos 25
1	1	EC @ 340 ml/200 lit emaw lamda
- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
0		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCH	
	(Section	robusta cherry 11.0 %.
2	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
1	(3)	Bordeaux mixture 0.5% in February -
		March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	- Internation	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		
Rabi Maize A chin hui	1 1	Vaimim chinna tur atan lei kan let
	131	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 50 4	♣ 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.
) F SAIH	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
	100	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
-	111	3 Page

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



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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		11-7	+ 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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



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

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	MAMIT	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAUSAIHA	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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	- 5	+	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.
	ventive easures	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
	3	weeks	Coccidiosis- Amprolium or coccidiostat
	(Calcium tonic fortified with B ₁₂
FISHERY	100	CHI CH	AMPAI)
Monit (Sang enkar	4	EI	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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/English Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	24	23	23	23
Min Temp (°C)	6	5	5	5	4
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	98	100	100	95	100
Min RH (%)	26	27	23	19	17
Wind Speed (KmpH)	2	2	3	4	3
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm Champhai- 12.00mm

Saiha- 13.9 mm

Kolasib- 21.4mm

(11.6mm)

(12.1mm)

(10.0mm)

(14.4mm) Serchhip-17.7mm

Lawngtlai-06.4mm (07.1mm)

Lunglei-07.4mm (08.7mm)

Mamit-24.3mm (09.6mm)

(12.9mm)

three days

Maximum Tem. (°C):18-22°C

Minimum Tem. (°C):10-13°C

Maximum RH (%):91-98%

Minimum RH (%):79-89%

Wind Direction: Easterly

Cloud cover: Partially clear

Weather summary of the past

Wind speed: 1-2 km/hr

Rainfall: 06.1 mm

Weather forecast valid from 06th January, 2018 To 10thJanuary, 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 23-25°C and 4-6°C. Maximum relative humidity is expected in the range of 95-100% and minimum may from 17-27%. 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

North East Region

19 Name 2017

10 Name

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 MANDARIN AND ACID LIME	Fruiting 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	 Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer
STAR FRUIT	MAINIT	AIZAWL	infestation. Harvesting should be done along with twig with two leaves.
PLUM AND PEACH	1		Diseased and senile branches should be removed
	35	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	LUNGLEI	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. Replanting of new seedling
		LAWNGTLAN	 Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings.
		SAIHA	Fertilizer dose should be maintained.Fruiting stage
		1 2 1	Foliar application of Mepiquat chloride © 1000 PPM concentration or 0.75%
	1	111	2 Page

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			SSP @ 1.5 g per 200 lt of water 15 days
			interval.
		1	♣ Spray lantana camera leaf paste around 3 kg/16 lt water which will give
	1 1	J 3	effective control against drought
		7	condition.
		KOLASIB	■ Due to high humidity, high
	(temperature and less rainfall in hilly
)	Way 1	region of the district probability of rust
	8		will be high. So apply Hexaconazole @ 1
	1	5	ml/10 lt of water.
Rubber	Vegetative	5	According to forecast and past weather
	stage		record, there is no probability of
	MAMIT	1	rainfall. So weekly irrigation is required
	§	Z AIZAWIL Z	for upcoming week or use straw mulch
	1	3	reduces soil water loss.
)(1	♣ Use grass or straw mulch to prevent from water loss.
	1	3 646	↓ Medium to young seedling should be
	1	1 3 3	support by bamboo stake.
			♣ 10-12 kg of well rotten organic manure
	11		and 205 cm roots phosphoto should be
		SERCHN	apply at time of planting to each pit as
	1	M. Lan	basal dose application.
Strawberry	Vegetative		♣ Possibility of rain will be very less. So
	stage	0.5	provide water every alternate day.
	10	1177111	♣ Possibility to occurrence of Powdery
		LUNGLEI	mildew will be high so apply any
	3	132.47.41.11.77.11.11.11	sulpher based fungicide to reduce
	1.1	500	disease incidence.
	. 7	W (>>	♣ Weeding should to do properly with
CEREALS AND I	PULSE CROPS	3/1	proper fertilizer use.
Kharif Rice	Harvesting		♣ Birds scaring ribbon should be used
	stage) =8	for scaring the birds.
	_		♣ Harvest all mature panicle to reduce
		LAWNGTLAN	bird damage.
		# SAIHA	♣ Harvesting should be done or
		(sunny day at least 15 cm above the
			ground for moisture conservation
		2 50 1	and no till pea and mustard/ toria
	·	1174 6	3 P a g e

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			sowing. 4 After sun drying harvested paddy is 5
			recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative	1 3	♣ Thinning must be done where more
	stage	V comment	population was observed.
	J	KOLASIB	↓ Irrigation should be provide 3 days
)	A.	interval
	(3 4 /	♣ Apply 2% urea solution for better
	7		growth.
	1	3	Weeding and earthing up should be
	, J		carried out. Leaf and stem cutter insect will be
	MAMIE		more so apply any contact poison for
	2 1000000	1	reducing pest population.
Zero tillage	Vegetative	Zero tillage	♣ Possibility of rain will be very less. So
Greengram	stage	Zoro tinago	provide water every alternate day.
and	stage	S	■ Weeding should be done.
blackgram	1	1 155	♣ Collection and destruction of damage
bidongram	2 6		plant or plant part and spraying of any
))		systemic insecticide @ 2ml/lit should
		SERCHN	be done.
	1	V	♣ Apply 2% urea solution to avoid stress
Zero tillage	Vegetative	Zero tillage	condition. ♣ Possibility of rain will be very less. So
Soybean	stage	Zeio tiliage	provide water every alternate day.
cultivation in	stage		■ Weeding should be done.
Jhum		LUNGLEI	♣ Collection and destruction of damage
Onan	3	THE PART OF THE PA	plant or plant part and spraying of any
	-	500	systemic insecticide @ 2ml/lit should
	. 7	11 (~	be done.
			♣ Apply 2% urea solution to avoid stress
7 4.44	T74 4*	77 1.11	condition.
Zero tillage	Vegetative	Zero tillage	♣ Possibility of rain will be very less. So
Toria	stage	1	provide water every alternate day. Weeding should be done.
		Laurenten	♣ Collection and destruction of Blister
		LAWNGTLAN	beetles and spraying of Neem oil
		(SAINA	@3ml/lit should be done.
			→ Apply split dose of fertilizer for better
			growth.
		1	

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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Early cole crop	Transplanting stage	Land preparation	 ↓ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m²) ✓ Fertilizer application 180:50:50 kg/ha.
	1	Damping off	 ♣ 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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during

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		17	day
			Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	3.1	1	♣ Drenching 1% Bordeaux mixture or 2 g
	1	7	captan or 3 copper oxychloride/ lt of water
		KOLASIB	at 10-15 DAS are effective.
French bean	Germination	V	♣ Possibility of rain will be less coming
	stage	W)	five days. So alternate irrigation should
	5		be done 2 days interval.
)	STATE	Thinning must be done.
Consions	Tuo man lo má	Dolu house	Chilli will be planted in well
Capsicum	Transplant	Poly house	Chilli will be planted in well
	stage	1	pulverized and leveled field.
	5	Z AIZAWL Z	Chilli will be normally planted in
)	7	raised beds of 60 to 75 cm width.
	1	1	Application of FYM (1.5-2.0 kg/ m ²)
			Provide water every alternate day.
Brinjal	Transplant	1 3 3	Brinjal will be planted in well
	stage		pulverized and leveled field.
	1		♣ Brinjal will be normally planted in
		SERCHH	
		V Lang	♣ The transplanting is done in small
	-		flat beds or in shallow furrow
	- 4		depending upon the availability of
			irrigation.
		LUNGLEI	In heavy soil it is usually
	3	***************************************	transplanted on ridges and during
	2.1	500	the rains also it is advantageous to
		17 (~~	plant the seedlings on ridges.
		9\	Provide water every alternate day
Chilli	Transplant	1 7 6	4 Chilli will be planted in well
	stage	()	pulverized and leveled field.
			4 Chilli will be normally planted in
		Andrews and the	raised beds of 60 to 75 cm width.
		LAWNGTLAN	Application of FYM (1.5-2.0 kg/ m²)
		# SAIHA	Provide water every alternate day.
Tomato	Transplant		♣ Tomato will be planted in well
	stage	1 = 1	pulverized and leveled field.

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			4	Tomato will be normally planted in
			_	raised beds of 60 to 75 cm width.
			-	The transplanting is done in small
	1 1	5		flat beds or in shallow furrow
		()		depending upon the availability of
		KOLASIB	, o	irrigation.
	(l. (\ +	In heavy soil it is usually
)	(A)		transplanted on ridges and during
	8			the rains also it is advantageous to
	1	STATES		plant the seedlings on ridges.
	1		+	Provide water every alternate day.
	2	Damping off	+	Seed treatment with thiram 3g/kg seed or
	/ MAMIT	1		Trichoderma viride 4g+ metalaxyl 4g
	§	Z AIZAWL I	rise.	(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
)	The state of the s		captan or 3 copper oxychloride/ lt of water
)	1		at 10-15 DAS are effective.
Potato	Sowing stage	3 6 6	4	Prepare the land for potato cultivation
	100	1 3 3		without any further delay.
	1		4	This may help to avoid some bacterial
	11			infection at growing stage.
		SERCHN	11-4	Land may be ploughed thoroughly for
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V Lan	-	proper tillage.
				If land is prepared good quality of seeds may be collected for planting.
		0.7	4	Cultivation from TPS is also found
			7	profitable.
		LUNGLEI	4	Seed must be treated before sowing.
ANIMAL HUSBEN	IDARY			
Pig	All stages	5	+	Animals must keep in dry place or
		17	1	kept in alleviated area and dry bedding
	1	2	1	(straw) to be provided to young
		7 7	9	animals.
		1 50 4	*	1st injection at 6 months of age and
			-2,	2nd injection at 12 months of age
		LAWNGTLAL		followed by annual vaccination under
		SAIHA	-4	vet supervision against FMD. Reduce concentrate diet up to 5%.
		(SAINA	4	Provide adequate potable water.
				In present weather conditions
		201		vaccinate against swine fever (Vaccines
		V/V		7 P a g e

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			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
	3 1	Syndrome (PRRS).	
Cattle	All age group	KOLASIB AIZAWL SERCHH	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. 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
Poultry	All age group	LUNGLEI	teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD

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		veccine OF Asset Dillegate C.7
		vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted
		fowl pox vaccine and 56-70 days:
4.7	1	RD R-2B strain.
FISHERY	5	♣ Remove wet litter.
	KOLASIB	# O1111
Monitoring of fish in pond	()	4 Care should be taken that fish are fed with feed that are free from fungus. If
nsn m pond	W 1	the fungal growth is observed in fish
7		feed, the feed needs to be sundried for
1	2	few days prior to feeding.
J		Fish feed should be stored in cool and
MAMIT		dry place to avoid fungal growth that releases aflatoxin which could lead to
2	100000	mortality of fish.
\$	(AIZAWL)	Fish harvesting may be carried out by
\ \frac{1}{2}	, ,	complete dewatering of pond. After
1	1 6 /	dewatering, the pond may be prepared
1	() 1	for the next cycle by sundrying of
(bottom, applying lime, manure, fertilizers etc.
	armanu.	Fish needs to be monitored regularly to
	SERCHN	observe any sign of diseases and if
Y .		disease is observed, consult expert
		immediately and water sample needs to
(F)		be analyzed.
	A CONTROL OF	Immediate measure of application of
3	LUNGLEI	lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in
1	programme and the second	the pond helps in avoiding fish
-	17 7	mortality.
	91	V.
	1901)
	([]]	
	1	1
	LAWNGTLANS	
	SAIHA	
	(SAITH	
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 06 December - 10 December, 2018

Bulletin No: - 760/2018/ Bulletin/Mizo

Date of issue: 05th January, 2018

Parameters	06.01.2018	07.01.2018	08.01.2018	09.01.2018	10.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	24	23	23	23
Min Temp (°C)	6	5	5	5	4
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	98	100	100	95	100
Min RH (%)	26	27	23	19	17
Wind Speed (KmpH)	2	2	3	4	3
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 18.1mm

Champhai- 12.00mm

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

(11.6mm)

(12.1mm)

Mamit-24.3mm

(14.4mm)Serchhip-17.7mm

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

(09.6mm)

(12.9mm)

Weather summary of the past three days

06thJanuary - 10th January, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):18-22°C Minimum Tem. (°C):10-13°C Maximum RH (%):91-98% Minimum RH (%):79-89% Wind Direction: Easterly Cloud cover: Partially clear 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 23-25°C a ni ang a. A vawh lai ber in 4-6°C ni tura beisei a ni. RH san lai berin 95-100% leh a hniam lai berin 17-27% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Rainfall: 06.1 mm

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(L. C	♣ Hmaih neih nuaih loh tur ani.
)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanta	1	Hmun dam lutukah dah loh tur.
	1	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	160	1 - 1	EC @ 340 ml/200 lit emaw lamda
	- /		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	Α	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALO AND I	DILL CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND			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
		2 1 3 3	a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		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
		6 C	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, 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 HUSBENDARY							
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 				
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.				
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.				
Cattle	All age group	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.				
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.				
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani. 				
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.				

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	O O WCCR		1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	wy)		a puitlingh chuan R ₂ B vaccine pek tur
	- 5			ani.
	5	Same	4	B complex with antibodies
	1	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AIZAVA	CH	AMPAL
	Monitoring		T.	Sangha te hi chaw a hmuar kai lo
	(Sangha	1		chauh pek thin tur ani. Sangha chaw a
	,	3 6 (lo hmuar anih chuan pek hma in ni sa
	enkawl)		1	a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahthat
		SERCH	OP.	tur ani a, hmuar atang a tur lo inseam
	l l	V Long		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	0.0	buatsaih a ti awlsam a, dil mawng
	3	the contract of the contract o	1	phoro, chinai phul, leitha hman leh tul
	20/	000		dang in dil buatsaih tur ani.
		17 ()	1	Sangha te natna lak atangin an him em
)		(0	tih enfiah fo a tha a, natna hmuh anih
	(19 8		chuan mithiam te rawn vat a, diltui enfiah vat tur ani.
	1		1	A ranglam a chinai @50kg/ha leh
		30	3	tuisen @1.5mg/l diltui a hman hian
				sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIH	1	
				C-1
			1	7
		N 1	5	

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