

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: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/English Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	4	5	11	13	22
Max Temp (°C)	25	26	27	28	28
Min Temp (°C)	15	15	15	15	16
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	99	99	99	98
Min RH (%)	51	57	52	49	48
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):17-18°C Maximum RH (%):92-97%

Minimum RH (%):70-78% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

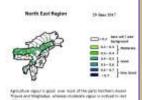
Rainfall: 06.2 mm

Weather forecast valid from 27thSeptember, 2017 To 01st October, 2017.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 16-18°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 49-57%. Wind direction would be southeasterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 55.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN	Flowering to fruiting stage	KOLASIB	According to forecast and past weather record, probability of rain will be less
AND ACID LIME)	ly 5	and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.
BANANA	}	5-1- (♣ Medium to young seedling should be support by bamboo stake. ♣ Head with the set of factilizer for name.
STAR FRUIT	} MAMIT		 Use split dose of fertilizer for normal growth and development. To increase the fruit set, spray 2, 4 – D
PLUM AND PEACH	1	AIZAWL	@ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble
	35		size). Due to high humidity, high temperature and less rainfall in hilly region of the district probability of leaf
		SERCHN	Hexaconazole @ 1 ml/10 lt of water.
	}	Citrus cancar	Copper- based fungicides Copper Oxy Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a
		LUNGLEI	barrier against infection, but they will not treat an existing infection.
	1	n En	Control minor infections limited to a small area of the tree by pruning away the affected parts.
		3	Severely infected trees should be destroyed to prevent infecting healthy trees nearby.
		Citrus leafminor and butterfly	Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching stage when 1st instars predominate which
Passion Fruit	Flowering to fruiting stage	SAIHA	coincides with I Fortnight of July. 4 Trail semi hard wood stem to bower structure
	arting stuge	1 2 1	♣ Clean near the base of the plant.
	ı	6 1	-
			2 P a g e

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PLANTATION CR	ROP	KOLASIB	4	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. Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 – D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	AIZAWL	4 4 4 4 4 W	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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLAL	#	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. Medium to young seedling should be support by bamboo stake. Medium to young seedling should be

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CEREALS AND I	PIII.SE CPOPS	support by bamboo stake. 4 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
		1
Kharif Rice	Panicle Initiation stage	 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. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water. Maintain water level in the field and if possible one hand weeding should be
	- 1	done.
	1	Gandhi bug ↓ Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug. ↓ Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.
	1	Rice leafroller Stop indiscriminate use of fertilizer. Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy damage.
Jhum Rice	Harvesting	♣ According to forecast and past weather
	stage	record, probability of rain will be high and temperature will be less. So drainage channel shall be maintained. Harvest all the mature panicles. Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.

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			4	Drain out excess water and keep dry
				for next pulse sowing.
Kharif maize	Harvesting	1		Harvest all the mature cobs.
	stage	F 3	-	Dry the maize grains properly and
	1 1	1		regularly before storing to reduce
		KOLASIB	27.0	storage insect pests and fungus. Maize grains can be mixed with neem
	1) ·	leaves at the time of storage to reduce
)	W.		storage pests.
Zero tillage	Germination	2 1	4	Thinning must be done where more
Soybean	stage	The second second		population was observed.
cultivation in	stage		4	Apply 2% urea solution for better
Jhum	2	1		growth.
Juni	MAMIT		4	Weeding and earthing up should be
	5	0.7000		carried out.
Rabi Maize	Sowing stage	Canestone:	+	Due to availability of soil moisture in
	7	5		field, land preparation should be
	400	1 2		started for rabi maize. It can be grown
	1			in all types of soils having adequate
	3 6			provision of drainage.
	1)		*	Field should be ploughed properly so as
		SERCHN	ŀ	to expose the pupae of red hairy
	1	V	4	caterpillar. If anyone want to sow local winter
	(_	variety maize seeds. Seed treatment is
				required to prevent from ant like
	1			Chloropyrophos @ 1ml per kg of seed.
Toria	Sowing stage	LUNGLEI	4	Due to availability of soil moisture in
	3	the sale and the s		field, land preparation should be
	1	000		started for toria after rice harvest. It
	. 5	17 (~~		can be grown better in loamy soils
				having adequate provision of drainage.
	(19 7		Clean all debris from the field.
			+	Open the furrow with of dao or dibbler
		(3)	_	or khurpee.
		Annual Control of the	-	Put recommended fertilizer dose and mix with soil.
		LAWNGTLAN	4	Place six to eight seeds per pocket with
		# SAIHA	_	30 cm row to row and 15 cm plant to
				plant distance.
			4	Sow certified seeds from a reliable
		(2 C)	M	

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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 Harvest all the mature fruits. Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LUNGLEI LAWNSTI AL	 ♣ 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. ♣ 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ↓ Raised bed, nursery bed solarisation.

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			Bed should be 1m width and
			conventional length.
			♣ Application of FYM (1.5-2.0 kg/ m²)
		2	♣ Line sowing of seeds (7-10cm)
ANIMAL HUSBEN	NDARY		
Pig	All stages	Variation (♣ As the weather gets colder, your pigs'
	1	KOLASIB	energy requirement will increase, as
	1	La S	they need more energy to keep warm.
	/	77 2 2	Regularly monitor their level of 'fitness'
	2		and increase their feed intake to
)	7	maintain.
	1		Fish oils are excellent for providing
	18		slow-release energy with the added
	MAMIT	(advantage of a high level of omega-3.
	9	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	7
	1	Respiratory	7
	1	Syndrome	1
	- 1	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
		SERCHN	interval
Cattle	All age group	V	♣ During either hot or heavy rainy
	1		condition, animal are advised to keep
			under shade.
			→ Vaccination is mandatory for the cattle
	1	A Control of	prior to monsoon to protect from
		LUNGLEI	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	m Em	Birds require adequate space, sufficient
	management	1	feed to meet their nutritional
	1	1	requirements and an adequate supply
			of good-quality water.
	N .	1 -9 4	4 Good management and sanitation are
		1	the best ways to avoid infectious
		LINNAGTIALAS	disease in poultry. 4 Provide ample quantity of clean
		LAWNGTLAL	
		SAINA	■ Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	Freventive	U-5 Week	- Ranifilet Disease- 1.1 vaccine at (1-0)

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		4 041.4 4==
measures		days of birth and R ₂ B vaccine for adult
		birds.
	F	♣ B complex with antibodies
	4 th weeks	4 Coccidiosis - Amprolium or
3) X-,		coccidiostat
	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY		
Monitoring of	W.	Leads to deterioration
fish in pond	1 1	of water quality which could result in
nsn m pond		mortality of fishes.
f.	(♣ Use of check tray feeding helps in
;.J	1	providing the right amount of feed and
MAMIT		avoid feed wastage.
Z 1000000	1	4 Feeding and manuring should be
3.0	(AIZAWL)	stopped when excessive algal bloom is
- N	1	observed in pond.
N.	(♣ Excessive aquatic weed should be
	2 6	removed as it harbours unwanted
3	1 1	animals, weed fishes and insects that
16.5		could harm the fish and leads to
	SEROUL	disease out break.
	SERCHN	Growth of aquatic weed could be
V V	M. Lang	controlled by stocking grass carp while
		stocking of silver carp helps in
	6.	controlling algal bloom.
4		Monthly sampling using cast net or
	LUNGLEI	suitable net needs to be continued to
3	COLORDO DE COLORDO	study the growth, the health of fish and
(A)	Conc.	adjust the feeding rate.
-	4	Monthly application of lime helps in
		stabilizing the pH of water for better
	9 70	growth
		(
	20	
		7
	LAWNGTLAN	T.
	# SAIHA	
	1	e-d
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SAIHA

LAWNGTLAL

CHAMPAI

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

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

Rainfall: 06.2 mm

27th September- 01st October, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-28°C a ni ang a. A vawh lai ber in 16-18°C ni tura beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 49-57% ni tur a rin niin. Thli hi darkar khatah 2 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: 55.0mm

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

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

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



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

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	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	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.

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Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
measures	hand &	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
1	4th weeks	Coccidiosis - Amprolium or coccidiostat
f meani	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	A AIZAWIL	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)	SERCHI	 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/English

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	3	9	18	17	31
Max Temp (°C)	33	33	33	33	33
Min Temp (°C)	21	22	23	23	24
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	97	97	97	96	95
Min RH (%)	54	59	53	50	47
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm (301.30mm)

Saiha- 216.20 mm Kolasib- 247.17mm (367.7mm)(372.0mm)

(430.2mm)Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

Mamit-197.57mm

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

(376.0mm)Weather forecast valid from 27th September, 2017 To 01st October, 2017.

There are chances of heavy to moderate and light rainfall

during the next 5 days. The maximum and minimum

temperatures for the next 5 days may range for 33°C and

Maximum Tem. (°C):22-26°C Minimum Tem. (°C):16-17°C Maximum RH (%):94-98% Minimum RH (%):74-83% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2 km/hr

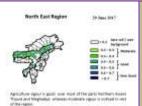
21-24°C. Maximum relative humidity is expected in the range of 95-97% and minimum may from 47-59%. Wind direction would be southeasterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five

days.

Weekly cumulative rainfall: 78.0 mm

NDVI for Mizoram

Rainfall: 04.0 mm



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	<" 5	♣ According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	7		and temperature will be high. So
LIME)	GA.	drainage channel shall be block the
BANANA	(1 1	channel for maintain field moisture.
DANANA	3	Control of the second	# Medium to young seedling should be
	1		support by bamboo stake.
STAR FRUIT		/	4 Use split dose of fertilizer for normal growth and development.
SIAK FKUII	MAMIT		■ To increase the fruit set, spray 2, 4 – D
	\$ 1000000	0.7000	(a) 20 ppm during flowering stage. For
PLUM AND	1	(AIZAWL)	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	1	2 2	size).
	1		♣ Due to high humidity, high
	1		temperature and less rainfall in hilly
	1)		region of the district probability of leaf
		SERCHN	
		011	Hexaconazole @ 1 ml/10 lt of water.
	-	Citrus cancar	Copper- based fungicides Copper Oxy
	- 1		Chloride 50%WP @ 2g/lt or bactericides Blitox 50 WG @ 0.01g/lt can provide a
	- (barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	3	THE STATE OF THE S	Control minor infections limited to a small
	20/1	22	area of the tree by pruning away the
		11	affected parts.
			Severely infected trees should be destroyed
		7 6	to prevent infecting healthy trees nearby.
		Citrus leafminor	4 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		Linunger	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAN	stage when 1 st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Flowering to	(SAINA	Trail semi hard wood stem to bower
	fruiting stage		structure
	writing bluge		4 Clean near the base of the plant.
		1 / N	
		4	2 P a g e

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PLANTATION CF	ROP	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. ♣ Medium to young seedling should be support by bamboo stake. ♣ To increase the fruit set, spray 2, 4 - D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 - D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	AIZAVAL SERCHHIII	 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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLALS	 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. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure

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			4 -	
				25 gm rock phosphate should be
				at time of planting to each pit as
			basal	dose application.
CEREALS AND	PULSE CROPS			
Kharif Rice	Panicle		Accord	ding to forecast and past weather
	Initiation	V	record	l, probability of rain will be less
	stage	KOLASIB	and	temperature will be high. So
	buge	En S	draina	age channel shall be block the
	/	100		el for maintain field moisture.
	8	2 0	↓ Due	to high humidity, high
	3	The same of the sa		rature and less rainfall in plan
	1		_	of the district probability of blast
	5-0	11		e high. So apply Tubeconazole @ 1
	MAMIT			It of water.
	7. 10.000			ain water level in the field and if
	3.	Z ATZAWYL /		ole one hand weeding should be
		2	_	one one nand weeding should be
	1	0 11 1 1	done. ↓ Weed	sanitation and eradication of
	40	Gandhi bug		sanitation and eradication of ate hosts from rice fields and
				nding areas can help prevent the
	1 6			lication of the Gandhi bug.
				nical control measures such as
		SERCHN		ng the field, hand-picking of adults
		V~		mphs have also been advocated.
	(Rice leafroller		ndiscriminate use of fertilizer.
		11100 1011101101	↓ Use	any systemic insecticide like
			Monoc	rotophos 1 ml/lt of water for light
	77(damag	e amd 2 ml/lt of water for heavy
		LUNGLEL	damag	
Jhum Rice	Harvesting	- Careaceannii		ding to forecast and past weather
	stage	2700	record	l, probability of rain will be high
		n 7 ~	and	temperature will be less. So
		31	draina	age channel shall be maintained.
	(↓ Harves	st all the mature panicles.
	i i		↓ Drv t	the paddy grains properly and
	N.	1 -		arly before storing to reduce
				ge insect pests and fungus.
		A consequence of		grains can be mixed with neem
		LAWNGTLAND		at the time of storage to reduce
		SAIHA		ge pests.
			_	out excess water and keep dry
				xt pulse sowing.
		N D	101 1162	xi puise sowing.
		1		

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Kharif maize	Uorrosting		4	Harvest all the mature cobs.
Kiiarii iliaize	Harvesting			Dry the maize grains properly and
	stage		_	regularly before storing to reduce
		1		storage insect pests and fungus.
	1. 1.	5	4	Maize grains can be mixed with neem
			_	leaves at the time of storage to reduce
		KOLASIB		storage pests.
Zono tillogo	Germination		S.	Thinning must be done where more
Zero tillage		an I	_	population was observed.
Soybean	stage	1 1	-4	Apply 2% urea solution for better
cultivation in	¥		_	growth.
Jhum	f.	2	4	Weeding and earthing up should be
	J	7/1	_	carried out.
Rabi Maize	Coming store			Due to availability of soil moisture in
Kabi Maize	Sowing stage	1		field, land preparation should be
	3.	(AIZAVVL)	CI:	started for rabi maize. It can be grown
				in all types of soils having adequate
	1	3		provision of drainage.
	4	1 5	4	Field should be ploughed properly so as
	17/			to expose the pupae of red hairy
	1			caterpillar.
	11		. 4	If anyone want to sow local winter
		SERCHN	IF.	variety maize seeds. Seed treatment is
	T.			required to prevent from ant like
	-			Chloropyrophos @ 1ml per kg of seed.
Toria	Sowing stage		4	Due to availability of soil moisture in
				field, land preparation should be
		LUNGLEI		started for toria after rice harvest. It
	3	THE PROPERTY OF THE PARTY OF TH		can be grown better in loamy soils
	5.7	200		having adequate provision of drainage.
	-	17 ()	4	Clean all debris from the field.
			4	Open the furrow with of dao or dibbler
		(by Se)		or khurpee.
			4	Put recommended fertilizer dose and
		1 50		mix with soil.
			4	Place six to eight seeds per pocket with
		LAWNGTLAN		30 cm row to row and 15 cm plant to
		SAIHA		plant distance.
		(4	Sow certified seeds from a reliable
			(rei	source to prevent seed rot and seedling
				blight (M-27, TS-36 and TS-38).
		Co. Co.		

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VEGETABLE CR	OP		
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 ♣ Harvest all the mature fruits. ♣ Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
	{ MAINIT	Okra leafroller	♣ Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LAWNGTLAJ	 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. 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Raised bed, nursery bed

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	}	Damping off	solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm) ✓ 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.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	 As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult sta <mark>ge</mark>	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	M	 → During either hot or heavy rainy condition, animal are advised to keep under shade. → Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.
Poultry	Litter management	LAWNGTLAUSAIHA	♣ Birds require adequate space, sufficient

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				the best ways to avoid infectious
				disease in poultry.
		6	4	Provide ample quantity of clean
				drinking water.
	7 1	1	4	Avoid feeding of mouldy feed. Don't
			-	make sudden changes in feed
	Preventive	0-3 rd week		Ranikhet Disease- F1 vaccine at (1-6)
	76	0-3 ^{ra} week	V.	
	measures	LA N		days of birth and R ₂ B vaccine for adult
	- (1 4 1		birds.
	3		-	B complex with antibodies
	ν.	4th weeks	4	Coccidiosis- Amprolium or
	- 1			coccidiostat
	1960	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
	J MAMIT	10 WCCIIS	_	Calciant tome fortined with B ₁₂
FISHERY	(1/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	1	27.1	comment (
	Monitoring of	CONTERVAL:	4	Excessive feeding leads to deterioration
	fish in pond	1		of water quality which could result in
		()		mortality of fishes.
	160	1 500	4	Use of check tray feeding helps in
				providing the right amount of feed and
				avoid feed wastage.
	7		4	Feeding and manuring should be
	5	SERCHN	P	stopped when excessive algal bloom is
		~		
	1			observed in pond.
	7		-	Excessive aquatic weed should be
			-1	removed as it harbours unwanted
	310			animals, weed fishes and insects that
		LUNGLEI		could harm the fish and leads to
		HARAMATAN I	1	disease out break.
		with the second	+	Growth of aquatic weed could be
		W 200	-	controlled by stocking grass carp while
		11	1	stocking of silver carp helps in
			1	controlling algal bloom.
	N N	7 7	4	Monthly sampling using cast net or
			1	suitable net needs to be continued to
		1 -0		study the growth, the health of fish and
				adjust the feeding rate.
		LAWNGTLAN		
		SAIHA	-	Monthly application of lime helps in
		(SAITH		stabilizing the pH of water for better
				growth
			1	3

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/Mizo

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	3	9	18	17	31
Max Temp (°C)	33	33	33	33	33
Min Temp (°C)	21	22	23	23	24
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	97	97	97	96	95
Min RH (%)	54	59	53	50	47
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm

Saiha- 216.20 mm Kolasib- 247.17mm

(430.2mm)Lawngtlai-291.20mm

(301.30mm)Lunglei-370.28mm

(367.7mm)(372.0mm)Serchhip-247.35mm **Mamit-197.57mm**

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

27th September- 01st October, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):22-26°C Minimum Tem. (°C):16-17°C Maximum RH (%):94-98% Minimum RH (%):74-83% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

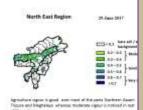
Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 33°C a ni ang a. A vawh lai ber in 21-24°C ni tura beisei a ni. RH san lai berin of 95-97% leh a hniam lai berin 47-59% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung

hian khawthiang tak hmuh beisei a ni.

Rainfall: 04.0 mm

Weekly cumulative rainfall: 78.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS KHASI	A levi atanga	J	♣ 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]	374	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	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.
	((♣ 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.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	7 ()	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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	5		 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	7		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	TIMMAT (Muongohang laying also ship no tur
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
1011140	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	500	ani. Tomato hi a uai a, a thih mai loh nan
	. 7	17	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D1 O-1-	D114		tur ani .
Early Cole	Black spot disease	-4	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	ursease.		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			Likhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum lawii

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	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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Preventive measures	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
1	4th weeks	Coccidiosis- Amprolium or coccidiostat
MAMI	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	AIZAVA_	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani. Thla tin a chinai tlem hman hian tur thur tur a veng a sangha an than that

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ICAR RESEARCH COMPLEX FOR NEH REGION

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Kolasib Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/English Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	3	3	10	10	15
Max Temp (°C)	34	34	33	32	32
Min Temp (°C)	25	25	25	25	26
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	97	98	98	97	97
Min RH (%)	53	56	53	49	48
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):23-24°C

Maximum RH (%):96-98%

Minimum RH (%):72-80%
Wind Direction: Southeasterly

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

Rainfall: 11.5 mm

Weather forecast valid from 27thSeptember, 2017 To 01st October, 2017.

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-34°C and 25-26°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 49-56%. Wind direction would be southeasterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 41.0 mm

NDVI for Mizoram

North East Support

19 January 1977

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Moderately wet mildly dry/mildly wet conditions

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural	Agricultural / Horticultural / animal
/Fisheries		practices/ Pest/ Diseases	husbandry advisories
FRUITS CROPS		Diseases	
KHASI	Flowering to	_0 E	♣ According to forecast and past weather
MANDARIN	Flowering to	V	record, probability of rain will be less
AND ACID	fruiting stage	KOLASIB	and temperature will be high. So
LIME	1	En S	drainage channel shall be block the
LIME	7	" 1	channel for maintain field moisture.
BANANA	7		♣ Medium to young seedling should be
	1	2 6	support by bamboo stake.
			♣ Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	/ interval	1	♣ To increase the fruit set, spray 2, 4 – D
PLUM AND	1	/ AIZAWL /	@ 20 ppm during flowering stage. For
PEACH			fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	3	or NAA @ 30 ppm after fruit set (marble
	9	1 85	size). 4 Due to high humidity, high
)	V 3 A	Due to high humidity, high temperature and less rainfall in hilly
	100		region of the district probability of leaf
		SERCHN	
		(~)	Hexaconazole @ 1 ml/10 lt of water.
	(Citrus cancar	♣ Copper- based fungicides Copper Oxy
		1	Chloride 50%WP @ 2g/lt or bactericides
	(3)		Blitox 50 WG @ 0.01g/lt can provide a
	1	A PARTIES TO A PAR	barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	1/1		Control minor infections limited to a small
	1	m ?	area of the tree by pruning away the
			affected parts.
		(b) St.	Severely infected trees should be destroyed to prevent infecting healthy trees nearby.
		Citrus leafminor	 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		and butterny	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAL	stage when 1st instars predominate which
		# SAIHA	coincides with I Fortnight of July.
Passion Fruit	Flowering to		Trail semi hard wood stem to bower
	fruiting stage	1	structure
		N N	♣ Clean near the base of the plant.
		1 4 6	2 P a g e

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PLANTATION CR	ROP	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. Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 – D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	AIZAWL		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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLAU	+	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. Medium to young seedling should be support by bamboo stake. Medium to young seedling should be

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OPPRAIS AND	NH CE ODODG		4	support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
CEREALS AND F		Y KOLASIB N		A 1: , C , 1 , 1
Kharif Rice	Panicle Initiation stage	AIZAVA	- +	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. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.
	1			Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug		Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.
	1	Rice leafroller	++	Stop indiscriminate use of fertilizer. Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy damage.
Jhum Rice	Harvesting stage	LAWNGTLAL	#	According to forecast and past weather record, probability of rain will be high and temperature will be less. So drainage channel shall be maintained. Harvest all the mature panicles. Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.

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			+	Drain out excess water and keep dry
				for next pulse sowing.
Kharif maize	Harvesting	1		Harvest all the mature cobs.
	stage	P 3	+	Dry the maize grains properly and
	1 1	5		regularly before storing to reduce
		KOLASIB		storage insect pests and fungus.
	1	1 Transform	\ +	Maize grains can be mixed with neem
)	GA)		leaves at the time of storage to reduce
		3 0 1		storage pests.
Zero tillage	Germination		+	Thinning must be done where more
Soybean	stage	2	_	population was observed.
cultivation in		77	+	Apply 2% urea solution for better
Jhum	MAMIT			growth.
	J. Internation	S (-	Weeding and earthing up should be
D 1135		CAIZAWA	oi .	carried out.
Rabi Maize	Sowing stage		*	Due to availability of soil moisture in
	1	3		field, land preparation should be
	36	3 000		started for rabi maize. It can be grown
				in all types of soils having adequate provision of drainage.
	1		_	Field should be ploughed properly so as
	7.			to expose the pupae of red hairy
		SERCHH	IF.	caterpillar.
	1	V Lang	4	If anyone want to sow local winter
	-			variety maize seeds. Seed treatment is
	1			required to prevent from ant like
	32			Chloropyrophos @ 1ml per kg of seed.
Toria	Sowing stage	LUNGLEI	4	Due to availability of soil moisture in
	3 3			field, land preparation should be
	100	2000		started for toria after rice harvest. It
	5	100		can be grown better in loamy soils
				having adequate provision of drainage.
	(4	Clean all debris from the field.
			4	Open the furrow with of dao or dibbler
		35		or khurpee.
			4	Put recommended fertilizer dose and
		LAWNGTLAN		mix with soil.
		SAIHA	+	Place six to eight seeds per pocket with
				30 cm row to row and 15 cm plant to
			ei .	plant distance.
			+	Sow certified seeds from a reliable
		()		

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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		siight (M27, 10 00 and 10 00).
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 ♣ Harvest all the mature fruits. ♣ Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LUNGLEI	 ♣ 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. ♣ 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ↓ Raised bed, nursery bed solarisation.

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			♣ Bed should be 1m width and
			conventional length.
		5	♣ Application of FYM (1.5-2.0 kg/ m²)
		2	♣ Line sowing of seeds (7-10cm)
ANIMAL HUSBEN	VDARY		
Pig	All stages	V comment of	♣ As the weather gets colder, your pigs'
	7	KOLASIB	energy requirement will increase, as
	1	La S	they need more energy to keep warm.
	7	77 2 7	♣ Regularly monitor their level of 'fitness'
)		and increase their feed intake to
)	5	maintain.
	1		Fish oils are excellent for providing
	12		slow-release energy with the added
	MAMIT	1	advantage of a high level of omega-3.
	9	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	7
)	Respiratory	/
	1	Syndrome	1
	1	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
		SERCHN	interval
Cattle	All age group	V~ 1	♣ During either hot or heavy rainy
			condition, animal are advised to keep
			under shade.
	Ji i	100	
		A China Carlo	prior to monsoon to protect from
		LUNGLEI	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	n 850	# Birds require adequate space, sufficient
	management	31	feed to meet their nutritional
		P \(\(\)_{\\ \)_{\\ \)_{\\ \}_{\\ \}\\ \} \}}}}}\right)}}}}}}}	requirements and an adequate supply
			of good-quality water.
	N	1 50 4	4 Good management and sanitation are
		1	the best ways to avoid infectious
		Laurence	disease in poultry.
		LAWNGTLAN	+ Provide ample quantity of clean
		# SAIHA	
			4 Avoid feeding of mouldy feed. Don't
	Duomantina	0 2 rd 1-	make sudden changes in feed
	Preventive	0-3 rd week	4 Ranikhet Disease- F1 vaccine at (1-6)

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measures		days of birth and R ₂ B vaccine for adult
		birds.
	f -	B complex with antibodies
4.7	4 th weeks	4 Coccidiosis - Amprolium or
) N	- 5	coccidiostat
	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	1	
Monitoring of	W.	Leads to deterioration
fish in pond	1 1	of water quality which could result in
non in pond		mortality of fishes.
f.		4 Use of check tray feeding helps in
:- 1		providing the right amount of feed and
/ MAMIT		avoid feed wastage.
2 2000000	100000	4 Feeding and manuring should be
1	(AIZAVVL.	stopped when excessive algal bloom is
1		observed in pond.
	(♣ Excessive aquatic weed should be
1	1 1	removed as it harbours unwanted
)	~ 1 1	animals, weed fishes and insects that
100		could harm the fish and leads to
	SERVERN	disease out break.
	SERONN	Growth of aquatic weed could be
\ \frac{1}{2}		controlled by stocking grass carp while
	1	stocking of silver carp helps in
1		controlling algal bloom.
200		Monthly sampling using cast net or suitable net needs to be continued to
	LUNGLEI	
3		study the growth, the health of fish and adjust the feeding rate.
37/1	500	Monthly application of lime helps in
	111	stabilizing the pH of water for better
		growth
	130 [0
	(F3 A	
	1	1
	1	7
	LAWNGTLAN	
	SAIHA	
		- 5
	1	~~
	6 1 7)
	1 4	8 P a g e

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11	- 111	Table 1	

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SAIHA

LAWNGTLAL

CHAMPAI

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Mizoram Centre, Kolasib- 796081, MIZORAM

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District: Kolasib Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/Mizo

			The second secon		
Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	3	3	10	10	15
Max Temp (°C)	34	34	33	32	32
Min Temp (°C)	25	25	25	25	26
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	97	98	98	97	97
Min RH (%)	53	56	53	49	48
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm Saiha- 216.20 mm (367.7mm) Kolasib- 247.17mm (372.0mm)

(430.2mm)Lawngtlai-291.20mm

(301.30mm)Lunglei-370.28mm

Mamit-197.57mm

Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

27th September- 01st October, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):23-24°C Maximum RH (%):96-98% Minimum RH (%):72-80% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

Rainfall: 11.5 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-34°C a ni ang a. A vawh lai ber in 25-26°C ni tura beisei a ni. RH san lai berin 97-98% leh a hniam lai berin 49-56% ni tur a rin niin. Thli hi darkar khatah 2 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: 41.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\)	Ken tur iakan ta veng uleram.
	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
	3 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(f., (
)	60	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2	ani.
	5	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani. Hmun dam lutukah dah loh tur.
	7. 10.55		Boruak tha taka a hmuh theih nan leh a
	7.	Z ATZAVVIL	rawn chawr no theih nan thlai chu uluk
	1	2	tak a hlawi tur ani.
	1		4 Chuan hei hian kah tur ani. Quinalphos 25
	16	3 64 6	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		0 00 00	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
	The same of the sa	AVIEWS THE	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	- E	✓ Vaimim chinna tur atan lei kan let
		17	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		7 6	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		(dah ang.
		land and the same of the same	♣ 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
		VIN	3 P a g e

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Sambas v. v.	57		 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	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		/	khuh tur ani.
rice fellow	TIMMAN (Myangahang laying aly ship no typ
Potato	Sowing stage	A AIZAWL	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 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	MANAGEMENT .	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
		7 5	tur ani .
Early Cole	Black spot	1 22 1	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zavilali dali tal dili.
			♣ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn

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

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ANIMAL HUSBEI	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. Vawknote emaw vawk lak hran.
	MAMIT	Reproductive Respiratory Syndrome (PRRS).	1. Vawkiiote einaw vawk iak iiran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	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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Preventive measures	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R2B vaccine pek tur ani. B complex with antibodies
1	4th weeks	Coccidiosis - Amprolium or coccidiostat
f theav	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	A AIZAVAL	CHAMPAI
Stocking an monitoring (Sangha chhuah leh enkawl)		 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani. Thla tin a chinai tlem hman hian tui

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawngtlai Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/English Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	3	4	10	8	16
Max Temp (°C)	32	33	33	32	32
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	98	98	97	98	97
Min RH (%)	54	69	56	54	53
Wind Speed (KmpH)	2	2	3	2	2
*Wind Direction	E	E	E	E	E
Northe	rly- N, North-E	asterly- N-E, Eas	sterly- E, South	-Easterly- 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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm (430.2mm) (301.30mm)

Saiha- 216.20 mm (367.7mm)

Kolasib- 247.17mm (372.0mm)

(430.2mm) Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

Mamit-197.57mm

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

(453.1mm)

Weather forecast valid from 27thSeptember, 2017 To 01st October, 2017.

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17-20°C Maximum RH (%):94-98% Minimum RH (%):79-95% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 22-23°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 53-69%. Wind direction would be easterly with the wind speed of 2-3 km per hour. Mainly cloudy will prevail during the next five days.

(376.0mm)

Rainfall: 00.0 mm

Weekly cumulative rainfall: 41.0 mm

NDVI for Mizoram

North East Segion 19- Jane 2017

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Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	5	♣ According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	1		and temperature will be high. So
LIME)	WAY 3	drainage channel shall be block the
BANANA	\$	2 1	channel for maintain field moisture.
DANANA	3	Common Co	# Medium to young seedling should be
	1		support by bamboo stake. Use split dose of fertilizer for normal
STAR FRUIT	2	/	growth and development.
STARTROIT	MAMIT		♣ To increase the fruit set, spray 2, 4 – D
	\$ 11.000	AIZAVAL	(a) 20 ppm during flowering stage. For
PLUM AND	1	Canedan-	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	46	2 2	size).
	1		♣ Due to high humidity, high
	1 6		temperature and less rainfall in hilly
	1)		region of the district probability of leaf
	-	SERCHN	
		V~ 1	Hexaconazole @ 1 ml/10 lt of water.
	(Citrus cancar	Copper based fungicides Copper Oxy
	1		Chloride 50%WP @ 2g/lt or bactericides
	- 1		Blitox 50 WG @ 0.01g/lt can provide a
		LUNGLEI	barrier against infection, but they will not
	-	H1975 H197	treat an existing infection. Control minor infections limited to a small
	2.7	200	area of the tree by pruning away the
	5	7	affected parts.
		3	Severely infected trees should be destroyed
	((6 20)	to prevent infecting healthy trees nearby.
		Citrus leafminor	♣ Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		did battorily	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAN	stage when 1st instars predominate which
	-	SAIHA	coincides with I Fortnight of July.
Passion Fruit	Flowering to		Trail semi hard wood stem to bower
	fruiting stage	1	structure
		9 1	♣ Clean near the base of the plant.
		1 4 6	2 P a g e

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PLANTATION CR	ROP	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. Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 – D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	AIZAWL		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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLAL	4	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. Medium to young seedling should be support by bamboo stake. Medium to young seedling should be

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			4	support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
CEREALS AND F		V KOLASIB V		A 1: / C / 1 / /1
Kharif Rice	Panicle Initiation stage	AIZAVA	4	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. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.
	1			Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug		Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.
	3	Rice leafroller	+	Stop indiscriminate use of fertilizer. Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy damage.
Jhum Rice	Harvesting stage	LAWNIGTLAL	+	According to forecast and past weather record, probability of rain will be high and temperature will be less. So drainage channel shall be maintained. Harvest all the mature panicles. Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.

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			4	Drain out excess water and keep dry
				for next pulse sowing.
Kharif maize	Harvesting	1		Harvest all the mature cobs.
	stage	F 3	-	Dry the maize grains properly and
	1 1	5		regularly before storing to reduce
		KOLASIB		storage insect pests and fungus. Maize grains can be mixed with neem
	1		S .	leaves at the time of storage to reduce
)	GA,		storage pests.
Zero tillage	Germination	11	4	Thinning must be done where more
Soybean	stage	The same of the sa		population was observed.
cultivation in	stage		4	Apply 2% urea solution for better
				growth.
Jhum	/ MAMIT		4	Weeding and earthing up should be
	\$ 11.000	1	2	carried out.
Rabi Maize	Sowing stage	Constant:	4	Due to availability of soil moisture in
	9 0	5		field, land preparation should be
	1	1		started for rabi maize. It can be grown
	1			in all types of soils having adequate
	2 6			provision of drainage.
	1		+	Field should be ploughed properly so as
		SERCHN	ŀ	to expose the pupae of red hairy
	1			caterpillar.
	(*	If anyone want to sow local winter
		1000		variety maize seeds. Seed treatment is required to prevent from ant like
				Chloropyrophos @ 1ml per kg of seed.
Toria	Sowing stage	LUNGLEI	4	Due to availability of soil moisture in
10114	Don't I g bouge	1000 (CASCO 100)		field, land preparation should be
		yma		started for toria after rice harvest. It
	5	m ?		can be grown better in loamy soils
				having adequate provision of drainage.
	((by se)	4	Clean all debris from the field.
			4	Open the furrow with of dao or dibbler
		-3		or khurpee.
			+	Put recommended fertilizer dose and
		LAWNGTLAL		mix with soil.
		SAIHA	*	Place six to eight seeds per pocket with
				30 cm row to row and 15 cm plant to plant distance.
		4	e .	Sow certified seeds from a reliable
		60 1	VIII.	Sow certified seeds from a reflable

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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		singire (iii 21, 16 00 and 16 00).
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 Harvest all the mature fruits. Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LUNGLEI	 ♣ 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. ♣ 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ↓ Raised bed, nursery bed solarisation.

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			♣ Bed should be 1m width and
			conventional length.
		5	♣ Application of FYM (1.5-2.0 kg/ m²)
		2	♣ Line sowing of seeds (7-10cm)
ANIMAL HUSBEN	VDARY		
Pig	All stages	V con som	♣ As the weather gets colder, your pigs'
	1	KOLASIB	energy requirement will increase, as
	1	En S	they need more energy to keep warm.
	/	77 2 2	♣ Regularly monitor their level of 'fitness'
	2		and increase their feed intake to
)	5	maintain.
	1		Fish oils are excellent for providing
	R	(slow-release energy with the added
	MAMIT	1)	advantage of a high level of omega-3.
	5	Porcine	1. Culling of positive pigs or piglets.
	7	Reproductive	7
)	Respiratory	/
	160	Syndrome	1
	- 1	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	1		months and yearly interval/6 month
		SERCHN	interval
Cattle	All age group	V	♣ During either hot or heavy rainy
			condition, animal are advised to keep
	1		under shade.
		LUNGLEI	prior to monsoon to protect from
		EMMOREI	disease like Anthrax, Black Quarter,
	= 4		Foot Mouth Disease, Duck Plague.
Poultry	Litter	m 200	Birds require adequate space, sufficient
	management	11	feed to meet their nutritional
	(Ci Si	requirements and an adequate supply of good-quality water.
	į		Good management and sanitation are
) F3 7	the best ways to avoid infectious
		1 2	disease in poultry.
		LAWNGTLAN	♣ Provide ample quantity of clean
		SAIHA	
		(SAITH	4 Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	1101011110	U U U U U	1 at (1 0)

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measu	res	days of birth and R ₂ B vaccine for adult
		birds.
		B complex with antibodies
1	4 th weeks	Coccidiosis - Amprolium or
	A Fib W 1	coccidiostat
	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY		
Monitori		Excessive feeding leads to deterioration
fish in 1	pond	of water quality which could result in
7	2 5	mortality of fishes. Use of check tray feeding helps in
]		providing the right amount of feed and
7	MAGMIT	avoid feed wastage.
ζ.	1225.000	♣ Feeding and manuring should be
16.	(AIZAWL.	stopped when excessive algal bloom is
1	Ş	observed in pond.
1		Excessive aquatic weed should be removed as it harbours unwanted
		animals, weed fishes and insects that
		could harm the fish and leads to
	proper	disease out break.
	SERON	Growth of aquatic weed could be
		controlled by stocking grass carp while
		stocking of silver carp helps in controlling algal bloom.
	Ji i	♣ Monthly sampling using cast net or
	A CONTRACTOR OF THE PARTY OF TH	suitable net needs to be continued to
	LUNGLEI	study the growth, the health of fish and
	1	adjust the feeding rate.
	70	4 Monthly application of lime helps in
		stabilizing the pH of water for better growth
	190	growth
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	LAWNGTLAL	
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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: Lawngtlai Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/Mizo Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	3	4	10	8	16
Max Temp (°C)	32	33	33	32	32
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	98	98	97	98	97
Min RH (%)	54	69	56	54	53
Wind Speed (KmpH)	2	2	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 MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

27th September– 01st October, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17-20°C Maximum RH (%):94-98% Minimum RH (%):79-95% Wind Direction: Southeasterly

Wind Direction: Southeasterl
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 31-33°C a ni ang a. A vawh lai ber in 24-25°C ni tura beisei a ni. RH san lai berin 96-98% leh a hniam lai berin 57-68% 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: 00.0 mm

Weekly cumulative rainfall: 41.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh
	£4(kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
A MAMIT	ALZAWA	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
3	7	keh tur lakah t a veng thei ani.
15	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
	LUNGER	
All stages	LAWNGTLAN	Nursery stage Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP All stages

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ 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.
	(U. C	♣ Hmaih neih nuaih loh tur ani.
)	and I	♣ 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	27	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAWL Y	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		☐ In leh loa sawngbawln a a ro dan tur ☐ In leh loa saw
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND I	NIII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I		Cont.	1 17. in in 1 in
Rabi Maize	A chin hun	n to	→ Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	in the second	1 -4 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Lamorana	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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

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

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Preventive measures	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R2B vaccine pek tur ani. B complex with antibodies
1	4th weeks	Coccidiosis - Amprolium or coccidiostat
f theav	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	A AIZAVAL	CHAMPAI
Stocking an monitoring (Sangha chhuah leh enkawl)		 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani. Thla tin a chinai tlem hman hian tui thur tur a veng a sangha an than that

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LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/English Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	0	7	19	17	30
Max Temp (°C)	32	33	33	32	32
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	99	99	99
Min RH (%)	49	62	52	50	47
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm) Mamit-197.57mm (372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):20-23°C Minimum Tem. (°C):14-17°C

Maximum RH (%):95-98% Minimum RH (%):75-88%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-4 km/hr

Rainfall: 00.0 mm

Weather forecast valid from 27thSeptember, 2017 To 01st October, 2017.

There are chances of heavy to moderate and light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 22-23°C. Maximum relative humidity is expected in the range of 99% and minimum may from 47-62%. Wind direction would be easterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 73.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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(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	Flowering to	< °	♣ According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID		11000000	and temperature will be high. So
LIME)	W. J	drainage channel shall be block the
DANAMA	(1 1	channel for maintain field moisture.
BANANA	3	The same of the sa	♣ Medium to young seedling should be
	- f		support by bamboo stake.
COAD EDITO	J		Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	(Day 1	1	 ♣ To increase the fruit set, spray 2, 4 – D ② 20 ppm during flowering stage. For
PLUM AND	1	(AIZAWIL)	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	A	S	size).
	1	1 195	Due to high humidity, high
	1 6		temperature and less rainfall in hilly
)		region of the district probability of leaf
		SERCHN	
		V~	Hexaconazole @ 1 ml/10 lt of water.
	(Citrus cancar	+ Copper- based fungicides Copper Oxy
	1		Chloride 50%WP @ 2g/lt or bactericides
	J.		Blitox 50 WG @ 0.01g/lt can provide a
		LUNGLEI	barrier against infection, but they will not
	7	PARTY	treat an existing infection.
	1	y****	Control minor infections limited to a small
	1	7 7	area of the tree by pruning away the affected parts.
			Severely infected trees should be destroyed
	((6 20)	to prevent infecting healthy trees nearby.
		Citrus leafmines	 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		land the second	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAL	stage when 1st instars predominate which
		SAIHA	coincides with I Fortnight of July.
Passion Fruit	Flowering to		♣ Trail semi hard wood stem to bower
	fruiting stage	1	structure
		00	
		1 4 6	2 P a g e

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PLANTATION CF	ROP	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. ♣ Medium to young seedling should be support by bamboo stake. ♣ To increase the fruit set, spray 2, 4 - D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 - D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	LUNGLEI	 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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLAL	 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. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure

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4 | P a g e

			1.00=	=
			and 225 gm rock phosphate should b	
			apply at time of planting to each pit a	เร
	1 Promote 1 of 1		basal dose application.	
CEREALS AND I	PULSE CROPS			
Kharif Rice	Panicle		♣ According to forecast and past weather	er
	Initiation	1	record, probability of rain will be les	ss
	stage	KOLASIBI	and temperature will be high. S	
	stage	for S	drainage channel shall be block th	
	1	Wy)	channel for maintain field moisture.	
	8	2 1	♣ Due to high humidity, hig	h
	5		temperature and less rainfall in pla	
	1		region of the district probability of blas	
		1	will be high. So apply Tubeconazole @	
	MAMIT		ml/10 lt of water.	•
	Z. 102850033	A CONTRACTOR OF THE PARTY OF TH	■ Maintain water level in the field and	if
	1	(AIZAVVL	possible one hand weeding should b	
	1	1	done.	
	1.	Gandhi bug		of
	6	Ganum bug	alternate hosts from rice fields an	· . I
	1	V Q	surrounding areas can help prevent th	ıе
	16.0		multiplication of the Gandhi bug.	
	1		Mechanical control measures such a	
		SERCHH	smoking the field, hand-picking of adult	ts
			and nymphs have also been advocated.	
	-	Rice leafroller	Stop indiscriminate use of fertilizer. Use a second sec	
	4		Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light	
	1,7		damage amd 2 ml/lt of water for heav	
		LUMBER E	damage.	y
Jhum Rice	Harvesting	THE PROPERTY OF THE PARTY OF TH	♣ According to forecast and past weather	er
	stage		record, probability of rain will be hig	
	stage	w 8500	and temperature will be less. S	
		11	drainage channel shall be maintained.	
	1		♣ Harvest all the mature panicles.	
			♣ Dry the paddy grains properly an	ıd
	, i	1 50 4	regularly before storing to reduce	
		1	storage insect pests and fungus.	-
		1	♣ Paddy grains can be mixed with neer	m
		LAWNGTLAN	leaves at the time of storage to reduce	
		SAIHA	storage pests.	
			♣ Drain out excess water and keep dr	\sim
		1	for next pulse sowing.	ر
	<u> </u>	0 0	1 0	

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Kharif maize	Uorrosting		4	Harvest all the mature cobs.
Kiiarii iliaize	Harvesting			Dry the maize grains properly and
	stage		_	regularly before storing to reduce
		1		storage insect pests and fungus.
	1. 1.	5	4	Maize grains can be mixed with neem
			_	leaves at the time of storage to reduce
		KOLASIB		storage pests.
Zono tillogo	Germination		S.	Thinning must be done where more
Zero tillage		an I	_	population was observed.
Soybean	stage	1 1	-4	Apply 2% urea solution for better
cultivation in	¥		_	growth.
Jhum	f.	2	4	Weeding and earthing up should be
	J	7/1	_	carried out.
Rabi Maize	Coming store			Due to availability of soil moisture in
Kabi Maize	Sowing stage	1		field, land preparation should be
	3.	(AIZAVVL)	CI:	started for rabi maize. It can be grown
				in all types of soils having adequate
	1	3		provision of drainage.
	4	1 5	4	Field should be ploughed properly so as
	17/			to expose the pupae of red hairy
	1			caterpillar.
	11		. 4	If anyone want to sow local winter
		SERCHN	IF.	variety maize seeds. Seed treatment is
	T.			required to prevent from ant like
	-			Chloropyrophos @ 1ml per kg of seed.
Toria	Sowing stage		4	Due to availability of soil moisture in
				field, land preparation should be
		LUNGLEI		started for toria after rice harvest. It
	3	THE PROPERTY OF THE PARTY OF TH		can be grown better in loamy soils
	5.7	200		having adequate provision of drainage.
	-	17 ()	4	Clean all debris from the field.
			4	Open the furrow with of dao or dibbler
		(by Se)		or khurpee.
			4	Put recommended fertilizer dose and
		1 50		mix with soil.
			4	Place six to eight seeds per pocket with
		LAWNGTLAN		30 cm row to row and 15 cm plant to
		SAIHA		plant distance.
		(4	Sow certified seeds from a reliable
			(rei	source to prevent seed rot and seedling
				blight (M-27, TS-36 and TS-38).
		Co. Co.		

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VEGETABLE CR	ОР		
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests. Harvest all the mature fruits.
ORIA	Harvesting Stage	Okra leafroller	 Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus. Apply insecticide like imidacloprid 0.5 ml or
	A MAMIT		phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LAWNGTLAN	 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. 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ Raised bed, nursery bed

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	}	Damping off	solarisation. ♣ Bed should be 1m width and conventional length. ♣ Application of FYM (1.5-2.0 kg/ m²) ♣ Line sowing of seeds (7-10cm) ✓ 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.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	 As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult sta <mark>ge</mark>	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	M	 → During either hot or heavy rainy condition, animal are advised to keep under shade. → Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.
Poultry	Litter management	LAWNGTLAUSAIHA	♣ Birds require adequate space, sufficient

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				the best ways to avoid infectious
				disease in poultry.
		6	4	Provide ample quantity of clean
				drinking water.
	7 1	1	4	Avoid feeding of mouldy feed. Don't
			-	make sudden changes in feed
	Preventive	0-3 rd week	-	Ranikhet Disease- F1 vaccine at (1-6)
	76	U-3 14 Week	V.	
	measures	LA N		days of birth and R ₂ B vaccine for adult
	- (1 4 1		birds.
	3		-	B complex with antibodies
	ν.	4th weeks	4	Coccidiosis- Amprolium or
	- 1			coccidiostat
	1960	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
	J MAMIT	10 WCCIIS	_	Calciant tome fortined with B ₁₂
FISHERY	(1/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	1	27.1	comment (
	Monitoring of	CONTERVAL:	4	Excessive feeding leads to deterioration
	fish in pond	1		of water quality which could result in
		()		mortality of fishes.
	160	1 500	4	Use of check tray feeding helps in
				providing the right amount of feed and
				avoid feed wastage.
	7		4	Feeding and manuring should be
		SERCHN	P	stopped when excessive algal bloom is
		~		
	1			observed in pond.
	7		-	Excessive aquatic weed should be
			-1	removed as it harbours unwanted
	310			animals, weed fishes and insects that
		LUNGLEI		could harm the fish and leads to
		HARAMATAN I	1	disease out break.
		with the second	+	Growth of aquatic weed could be
		W 200	-	controlled by stocking grass carp while
		11	1	stocking of silver carp helps in
			1	controlling algal bloom.
	1	7 7	4	Monthly sampling using cast net or
			1	suitable net needs to be continued to
		1 -0		study the growth, the health of fish and
				adjust the feeding rate.
		LAWNGTLAN		
		SAIHA	-	Monthly application of lime helps in
		(SAITH		stabilizing the pH of water for better
				growth
			1	3

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lunglei Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/Mizo

		, ,			
Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	0	7	19	17	30
Max Temp (°C)	32	33	33	32	32
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	99	99	99
Min RH (%)	49	62	52	50	47
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm)Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

27th September- 01st October, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):20-23°C Minimum Tem. (°C):14-17°C Maximum RH (%):95-98% Minimum RH (%):75-88%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-4 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 99% leh a hniam lai berin 47-62% ni tur a rin niin. Thli hi darkar khatah 2 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: 73.0mm

NDVI for Mizoram

Rainfall: 00.0 mm

Moderately wet mildly dry/mildly wet conditions

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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	}	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 RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.				
PLANTATION CR							
COFFEE	All stages	LAWNGTLAUSAIHA	 Nursery stage ♣ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ♣ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ♣ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ♣ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ♣ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani. 				
2 P a g e							

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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
	1	borer	ani.
	1	U. BOTOL	♣ Hmaih neih nuaih loh tur ani.
)	DA 3	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	Υ.	1	♣ Seng bang zawng zawng chu uluka taka
		3	paih fai vek tur ani.
	. J		♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT		Hmun dam lutukah dah loh tur.
	1	Z AIZAWIL	Boruak tha taka a hmuh theih nan leh a
		3	rawn chawr no theih nan thlai chu uluk
))	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	
		(Control of the cont	robusta cherry 11.0 %.
	V	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		1	dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
	310		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		270	
Rabi Maize	A chin hun	7 7	→ Vaimim chinna tur atan lei kan let
	1	31	phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	į.	2 1 1 1	a pui dawn a ni.
	11) -4 7	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leaven and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	6/
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		0 0	t/ha leh $80:60:40$ kg N, P_2O_5 leh
		1 / 1	3 P a g e

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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

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Preventive measures	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
1	4 th weeks	Coccidiosis- Amprolium or coccidiostat
J. MADMIT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	(AIZAVIL	CHAMPAI)
Stocking and monitoring (Sangha chhuah leh enkawl)	SERCHIN SERCHI	 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani. Thla tin a chinai tlem hman hian tui thur tur a veng a sangha an than that

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SAIHA

LAWNGTLAL

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District: Mamit Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/English

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	4	5	10	9	14
Max Temp (°C)	34	34	33	32	32
Min Temp (°C)	25	25	25	25	26
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	98	98	99	99	98
Min RH (%)	51	55	52	48	48
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm (301.30mm)

Saiha- 216.20 mm (367.7mm) Kolasib- 247.17mm (372.0mm)

(430.2mm)Lawngtlai-291.20mm

Lunglei-370.28mm

(371.4mm)

Mamit-197.57mm

Serchhip-247.35mm

(301.8mm)

(453.1mm)Weather summary of the past

three days

(376.0mm)Weather forecast valid from 27th September, 2017 To 01st October, 2017.

Maximum Tem. (°C):30-32°C Minimum Tem. (°C):23-24°C Maximum RH (%):94-98% Minimum RH (%):79-87% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2 km/hr

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32-34°C and 25-26°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 48-55%. Wind direction would be southeasterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 42.0 mm

NDVI for Mizoram

Rainfall: 12.3 mm



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	C"	4 According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID		110000000	and temperature will be high. So
LIME)	GA.	drainage channel shall be block the
	(1 1	channel for maintain field moisture.
BANANA	1		♣ Medium to young seedling should be
	ſ	3	support by bamboo stake.
	. J		♣ Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	Z. 10000000	1	♣ To increase the fruit set, spray 2, 4 – D
PLUM AND	16	(AIZAWL)	 @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	-		or NAA @ 30 ppm after fruit set (marble
	3	S	size).
	1	1 5	■ Due to high humidity, high
) 6		temperature and less rainfall in hilly
	1		region of the district probability of leaf
		SERCHN	rust will be high. So apply
		V~	Hexaconazole @ 1 ml/10 lt of water.
	(Citrus cancar	♣ Copper- based fungicides Copper Oxy
		1	Chloride 50%WP @ 2g/lt or bactericides
	Ji Ji	100	Blitox 50 WG @ 0.01g/lt can provide a
	1	LUNGLEI	barrier against infection, but they will not
	7	CONGCEL	treat an existing infection.
	1	VPA-	Control minor infections limited to a small
	7	17 6	area of the tree by pruning away the
			affected parts.
	li li	(19 20)	\$\rightarrow\$ Severely infected trees should be destroyed to prevent infecting healthy trees nearby.
		Citana loofmines	♣ Apply insecticide like imidacloprid 0.5 ml or
		Citrus leafminor and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		and butterny	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAN	stage when 1st instars predominate which
		# SAIHA	coincides with I Fortnight of July.
Passion Fruit	Flowering to		♣ Trail semi hard wood stem to bower
	fruiting stage	1	structure
		00	Lean near the base of the plant.
		1/1/	2 P a g e

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PLANTATION CF	ROP	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. ♣ Medium to young seedling should be support by bamboo stake. ♣ To increase the fruit set, spray 2, 4 - D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 - D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	AIZAWL	 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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLAL SAIHA	 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. Medium to young seedling should be support by bamboo stake. Medium to young seedling should be

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OPPRAIS AND T	NIN CE ODODG		4	support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
CEREALS AND F		V ROLASIB V		A 1'
Kharif Rice	Panicle Initiation stage	AIZAVA	÷ 355	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. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.
	1			Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug		Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.
	3	Rice leafroller	++7	Stop indiscriminate use of fertilizer. Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy damage.
Jhum Rice	Harvesting stage	LAWNGTLAN	#	According to forecast and past weather record, probability of rain will be high and temperature will be less. So drainage channel shall be maintained. Harvest all the mature panicles. Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.

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			4	Drain out excess water and keep dry
				for next pulse sowing.
Kharif maize	Harvesting	1		Harvest all the mature cobs.
	stage	P 3	-	Dry the maize grains properly and
) \	5		regularly before storing to reduce
		KOLASIB		storage insect pests and fungus.
	1	Non-None	\ +	Maize grains can be mixed with neem
)	GA.		leaves at the time of storage to reduce
		1 0 1		storage pests.
Zero tillage	Germination		+	Thinning must be done where more
Soybean	stage			population was observed.
cultivation in	1		+	Apply 2% urea solution for better
Jhum	3			growth.
	/ MAMIT	1	+	Weeding and earthing up should be
		L AVZAVA	ra i	carried out.
Rabi Maize	Sowing stage	7	+	Due to availability of soil moisture in
	1	7 2		field, land preparation should be
	160	3 6 6		started for rabi maize. It can be grown
			_	in all types of soils having adequate
	1		Ι.	provision of drainage.
	1)		*	Field should be ploughed properly so as
	5	SERCHN	ΙĖ	to expose the pupae of red hairy
	1	V~1~		caterpillar.
			-	If anyone want to sow local winter
				variety maize seeds. Seed treatment is required to prevent from ant like
	Ji Ji			Chloropyrophos @ 1ml per kg of seed.
Toria	Sowing stage	A CONTRACTOR	4	Due to availability of soil moisture in
1011a	Sowing stage	LUNGLEI	-	field, land preparation should be
	17			started for toria after rice harvest. It
		m Em		can be grown better in loamy soils
		133		having adequate provision of drainage.
			4	Clean all debris from the field.
				Open the furrow with of dao or dibbler
	1) For A		or khurpee.
		1	4	Put recommended fertilizer dose and
		LAWNGTLANS		mix with soil.
		SAIHA	4	Place six to eight seeds per pocket with
		(SAINA		30 cm row to row and 15 cm plant to
			(Pai	plant distance.
		1 = 1	4	Sow certified seeds from a reliable
		6	1	

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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 Harvest all the mature fruits. Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LUNGLEI LAWNIGTI AL	 ♣ 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. ♣ 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ↓ Raised bed, nursery bed solarisation.

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			Bed should be 1m width and
			conventional length.
		5	♣ Application of FYM (1.5-2.0 kg/ m²)
		2	♣ Line sowing of seeds (7-10cm)
ANIMAL HUSBEN	VDARY		
Pig	All stages	V comment of	♣ As the weather gets colder, your pigs'
	7	KOLASIB	energy requirement will increase, as
	1	La S	they need more energy to keep warm.
	7	77 2 7	♣ Regularly monitor their level of 'fitness'
)		and increase their feed intake to
)	5	maintain.
	1		Fish oils are excellent for providing
	12		slow-release energy with the added
	MAMIT	1	advantage of a high level of omega-3.
	9	Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	7
)	Respiratory	/
	1	Syndrome	1
	- /	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
		SERCHN	interval
Cattle	All age group	V~ 1	♣ During either hot or heavy rainy
			condition, animal are advised to keep
			under shade.
	Ji i	100	→ Vaccination is mandatory for the cattle
		A China Carlo	prior to monsoon to protect from
		LUNGLEI	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	n 850	Birds require adequate space, sufficient
	management	31	feed to meet their nutritional
		P \(\(\)_{\\ \)_{\\ \)_{\\ \}_{\\ \}\\ \} \}}}}}\right)}}}}}}} \right\)	requirements and an adequate supply
			of good-quality water.
	N	1 50 4	4 Good management and sanitation are
		4	the best ways to avoid infectious
		Laurence	disease in poultry.
		LAWNGTLAN	Provide ample quantity of clean drinking water
		# SAIHA	drinking water. 4 Avoid feeding of mouldy feed. Don't
	Duorentina	0 2 rd1-	make sudden changes in feed Ranikhet Disease- F1 vaccine at (1-6)
	Preventive	0-3 rd week	* Namikhet Disease- F1 vaccine at (1-0)

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	measures			days of birth and R ₂ B vaccine for adult
			_	birds.
		445	_	B complex with antibodies
	1. 1	4 th weeks	*	Coccidiosis- Amprolium or
		4-5 th Weeks	4	coccidiostat Calcium tonic fortified with B ₁₂
DIGITEDY	1	4-3" WEEKS	1	Calcium tome fortined with B ₁₂
FISHERY		80	350	
	Monitoring of	3 4 1	*	Excessive feeding leads to deterioration of water quality which could result in
	fish in pond			mortality of fishes.
	f.	3	4	Use of check tray feeding helps in
	J			providing the right amount of feed and
) MAMIT			avoid feed wastage.
	\$	AIZAWL	A.	Feeding and manuring should be
	1	Caneston:	MEH	stopped when excessive algal bloom is
)	<i>(</i>)	4	observed in pond. Excessive aquatic weed should be
	1	a la	_	removed as it harbours unwanted
	1			animals, weed fishes and insects that
	1			could harm the fish and leads to
	1	ornous.		disease out break.
		SERCHN	4	Growth of aquatic weed could be
	V.			controlled by stocking grass carp while
			- 1	stocking of silver carp helps in controlling algal bloom.
			1	Monthly sampling using cast net or
		MEMBER	_	suitable net needs to be continued to
		LUNGLEI	8	study the growth, the health of fish and
	1		1	adjust the feeding rate.
	5	n En	+	Monthly application of lime helps in
			1	stabilizing the pH of water for better
		1976	1	growth
			1	
		-3	- 2	
				7
		LAWNGTLAN		V
		SAIHA	1)
			pro-	L.,
		201		4
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SAIHA

LAWNGTLAL

CHAMPAI

9 | 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: Mamit Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/Mizo Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	19	18	4	9	14
Max Temp (°C)	31	35	34	34	33
Min Temp (°C)	25	25	25	26	26
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	97	99	98
Min RH (%)	79	60	55	58	60
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

Serchhip-247.35mm (301.8mm)

Weather summary of the past three days

27th September- 01st October, 2017 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 32-34°C a ni ang a. A

Maximum Tem. (°C):30-32°C
Minimum Tem. (°C):23-24°C
Maximum RH (%):94-98%
Minimum RH (%):79-87%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2 km/hr

vawh lai ber in 25-26°C ni tura beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 48-55% ni tur a rin niin. Thli hi darkar khatah 2 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: 12.3 mm

Weekly cumulative rainfall: 42.0mm

NDVI for Mizoram

North East Region 22 April 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 198

Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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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	non tur kanar t a vong mor ami
	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
	- 1		paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.)	tak a mawi tur am. 4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Weigning things then the let less let
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
)		phut darh anga.
	(Hei hian a rawn to chhuah na tur atan
	Į.	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
		10 M	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	SERCHH	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			1 70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	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	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

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

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57		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive measures	0-3 rd week	 ♣ Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
J.	4 th weeks	Coccidiosis- Amprolium or coccidiostat
T MAOVILL	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	CONTENTAL:	CHAMPA
Stocking and monitoring (Sangha chhuah leh enkawl)	SERCHI	 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

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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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/English Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	0	4	10	10	20
Max Temp (°C)	32	33	33	32	32
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	98	98	98	99	98
Min RH (%)	51	71	54	53	50
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 268.78mm

i- 268.78mm Saiha- 216.20 mm (301.30mm) (367.7mm)

Kolasib- 247.17mm

(430.2mm) Lawngtlai-291.20mm

Lunglei-370.28mm

Mamit-197.57mm

(372.0mm) Serchhip-247.35mm

(453.1mm)

(371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):15-16°C Maximum RH (%):88-96%

Minimum RH (%):65-83% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

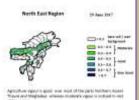
Rainfall: 00.0 mm

Weather forecast valid from 27thSeptember, 2017 To 01st October, 2017.

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 22-23°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 51-54%. Wind direction would be easterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 44.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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(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	Flowering to	< 5	♣ According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID		11000000	and temperature will be high. So
LIME)	W. J	drainage channel shall be block the
DANANA	(1 1	channel for maintain field moisture.
BANANA	3	The same of the sa	♣ Medium to young seedling should be
	- 1		support by bamboo stake.
COAD EDITO	J		Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	(mass)	1	 ♣ To increase the fruit set, spray 2, 4 – D ② 20 ppm during flowering stage. For
PLUM AND	14	(AIZAWIL)	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	3-	S	size).
	1	1 195	♣ Due to high humidity, high
	2 6		temperature and less rainfall in hilly
)		region of the district probability of leaf
		SERCHN	
		V~	Hexaconazole @ 1 ml/10 lt of water.
	(Citrus cancar	♣ Copper- based fungicides Copper Oxy
	1		Chloride 50%WP @ 2g/lt or bactericides
	J.		Blitox 50 WG @ 0.01g/lt can provide a
	1	LUNGLEI	barrier against infection, but they will not
		PARTY	treat an existing infection.
	5.7	yes,	Control minor infections limited to a small
	5	7 7	area of the tree by pruning away the affected parts.
			Severely infected trees should be destroyed
	((6 20)	to prevent infecting healthy trees nearby.
		Citrus leafmines	 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		land the second	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAL	stage when 1st instars predominate which
		SAIHA	coincides with I Fortnight of July.
Passion Fruit	Flowering to		Trail semi hard wood stem to bower
	fruiting stage	1	structure
		4 1	
		11 14 1	2 P a g e

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PLANTATION CF	ROP	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. ♣ Medium to young seedling should be support by bamboo stake. ♣ To increase the fruit set, spray 2, 4 - D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 - D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering stage	AIZAWA. SERCHHII LUNGLEI	 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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLALS	 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. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure

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4 | P a g e

				100= 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				and 225 gm rock phosphate should be
				apply at time of planting to each pit as
	I Promote 1 of 1	F		basal dose application.
CEREALS AND	PULSE CROPS			
Kharif Rice	Panicle		4	According to forecast and past weather
	Initiation	V V		record, probability of rain will be less
	stage	KOLASIB		and temperature will be high. So
	Stage	l., C	2	drainage channel shall be block the
)	GOV 3		channel for maintain field moisture.
	(1 1	4	Due to high humidity, high
	Y		_	temperature and less rainfall in plan
		27		region of the district probability of blast
	MAMIT			will be high. So apply Tubeconazole @ 1
	J. Intervent	1		ml/10 lt of water.
	7.	Z AIZAWIL I	*	Maintain water level in the field and if
		3		possible one hand weeding should be
	Y .)		done.
	1	Gandhi bug	+	Weed sanitation and eradication of
	- 1		_	alternate hosts from rice fields and
	2 6			surrounding areas can help prevent the
	1)		_	multiplication of the Gandhi bug.
		SERCHN	ı =	Mechanical control measures such as smoking the field, hand-picking of adults
		(DENOMA		and nymphs have also been advocated.
	1	Rice leafroller	4	Stop indiscriminate use of fertilizer.
		Rice lealfoller	4	Use any systemic insecticide like
		0.00	_4	Monocrotophos 1 ml/lt of water for light
				damage amd 2 ml/lt of water for heavy
		LUNGLEL		damage.
Jhum Rice	Harvesting	TO A CONTROL OF THE C	4	According to forecast and past weather
	stage	year.		record, probability of rain will be high
		W 500		and temperature will be less. So
				drainage channel shall be maintained.
	8	C Var Sir V	4	Harvest all the mature panicles.
			4	Dry the paddy grains properly and
	N.	1 50 4		regularly before storing to reduce
		(storage insect pests and fungus.
		form move part and a	4	Paddy grains can be mixed with neem
		LAWNGTLAL		leaves at the time of storage to reduce
		/ SAIHA		storage pests.
			4	Drain out excess water and keep dry
			e ·	for next pulse sowing.
		n) P		ioi next puise sowing.
		1		

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5 | P a g e

Harvest all the mature cobs. ## Dry the maize grains properly a regularly before storing to redustorage insect pests and fungus. ## Maize grains can be mixed with ne leaves at the time of storage to redustorage pests. ## Thinning must be done where make population was observed. ## Apply 2% urea solution for bett growth. ## Weeding and earthing up should carried out.
regularly before storing to redustorage insect pests and fungus. Maize grains can be mixed with ne leaves at the time of storage to redustorage pests. Zero tillage Soybean stage Pultivation in Jhum Thum Thum Thum The population was observed. Apply 2% urea solution for bett growth. Weeding and earthing up should
storage insect pests and fungus. Maize grains can be mixed with ne leaves at the time of storage to redustorage pests. Zero tillage Soybean stage Cermination stage Apply 2% urea solution for bett growth. Weeding and earthing up should
 Zero tillage Soybean stage Waize grains can be mixed with ne leaves at the time of storage to redustorage pests. Thinning must be done where me population was observed. Apply 2% urea solution for bet growth. Weeding and earthing up should
leaves at the time of storage to redustorage pests. Zero tillage Soybean stage **Indian of the time of storage to redustorage pests. Thinning must be done where many population was observed. Apply 2% urea solution for bett growth. Weeding and earthing up should
Storage pests. Thinning must be done where meaning the stage Thinning must be done where meaning population was observed. Apply 2% urea solution for better growth. Weeding and earthing up should
Zero tillage Soybean stage **Indication in Jhum **Indication in
Soybean cultivation in Jhum stage population was observed. Apply 2% urea solution for bett growth. Weeding and earthing up should
Apply 2% urea solution for bet growth. ## Weeding and earthing up should
Jhum growth. ♣ Weeding and earthing up should
↓ Weeding and earthing up should
carried out.
Rabi Maize Sowing stage 4 Due to availability of soil moisture
field land preparation should
started for rabi maize. It can be gro
in all types of soils having adequ
provision of drainage.
Field should be ploughed properly so
to expose the pupae of red ha
caterpillar.
variety maize seeds. Seed treatment
required to prevent from ant 1
Chloropyrophos @ 1ml per kg of seed
Toria Sowing stage ♣ Due to availability of soil moisture
field, land preparation should
started for toria after rice harvest.
can be grown better in loamy so
having adequate provision of drainag
♣ Open the furrow with of dao or dibb
or khurpee.
♣ Put recommended fertilizer dose a
mix with soil.
♣ Place six to eight seeds per pocket w
30 cm row to row and 15 cm plant
plant distance.
Sow certified seeds from a relia
source to prevent seed rot and seedle
blight (M-27, TS-36 and TS-38).

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VEGETABLE CR	OP		
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 ♣ Harvest all the mature fruits. ♣ Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
	{ MAMIT	Okra leafroller	♣ Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LAWNGTLAN	 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. 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ♣ Raised bed, nursery bed

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			solarisation.
			Bed should be 1m width and conventional length.
		1	Application of FYM (1.5-2.0 kg/ m²)
		2	Line sowing of seeds (7-10cm)
	1	Damping off	✓ Seed treatment with thiram 3g/kg seed
	(1.	or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
)	wy)	✓ Drenching 1% Bordeaux mixture or 2 g
	7		captan or 3 copper oxychloride/ lt of
ANIMAL HUSBEI	NDARY	2 6	water at 10-15 DAS are effective.
Pig	All stages		4 As the weather gets colder, your pigs'
	MAMIT	1	energy requirement will increase, as
	1	(ATZAWIL)	they need more energy to keep warm. Regularly monitor their level of 'fitness'
	1	3	and increase their feed intake to
	1	1	maintain.
			Fish oils are excellent for providing
	3 (~ 7	slow-release energy with the added advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	1	Respiratory	1 7
	1	Syndrome	
	Adult stage	(PRRS). Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		LUNGLEI	months and yearly interval/6 month
0-441	A11	484	interval
Cattle	All age group	n ?~	During either hot or heavy rainy condition, animal are advised to keep
			under shade.
		100	♣ Vaccination is mandatory for the cattle
	N.	1 55 4	prior to monsoon to protect from disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	LAWNGTLAN	♣ Birds require adequate space, sufficient
	management	# SAIHA	feed to meet their nutritional requirements and an adequate supply
			of good-quality water.
		200	↓ Good management and sanitation are

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				the best ways to avoid infectious
				disease in poultry.
		6	4	Provide ample quantity of clean
				drinking water.
	7 1	1	4	Avoid feeding of mouldy feed. Don't
			-	make sudden changes in feed
	Preventive	0-3 rd week	-	Ranikhet Disease- F1 vaccine at (1-6)
	76	0-3 ^{ra} week	V.	
	measures	LA N		days of birth and R ₂ B vaccine for adult
	- (1 4 1		birds.
	3		*	B complex with antibodies
	ν.	4th weeks	4	Coccidiosis- Amprolium or
	- 1			coccidiostat
	(4)	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
	J MAMIT	10 WCCIIS	_	Calciant tome fortined with B ₁₂
FISHERY	(1/1/2000	1	27.1	comment (
	Monitoring of	CONTERVAL:	4	Excessive feeding leads to deterioration
	fish in pond	1		of water quality which could result in
		()		mortality of fishes.
	160	1 500	4	Use of check tray feeding helps in
				providing the right amount of feed and
				avoid feed wastage.
	7		4	Feeding and manuring should be
	5	SERCHN	P	stopped when excessive algal bloom is
		~		
	1			observed in pond.
	7		-	Excessive aquatic weed should be
			-1	removed as it harbours unwanted
	310			animals, weed fishes and insects that
		LUNGLEI		could harm the fish and leads to
		HARAMATAN I	1	disease out break.
		with the second	+	Growth of aquatic weed could be
		W 200	-	controlled by stocking grass carp while
		11	1	stocking of silver carp helps in
			1	controlling algal bloom.
	1	7 7	4	Monthly sampling using cast net or
			1	suitable net needs to be continued to
		1 -0		study the growth, the health of fish and
				adjust the feeding rate.
		LAWNGTLAL		
		SAIHA	-	Monthly application of lime helps in
		(SAITH		stabilizing the pH of water for better
				growth
			1	3

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SAIHA

LAWNGTLAL

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District: Saiha Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/Mizo

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	0	4	10	10	20
Max Temp (°C)	32	33	33	32	32
Min Temp (°C)	22	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	98	98	98	99	98
Min RH (%)	51	71	54	53	50
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)**Mamit-197.57mm**

(372.0mm)Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

27th September- 01st October, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):22-24°C Minimum Tem. (°C):15-16°C Maximum RH (%):88-96% Minimum RH (%):65-83% Wind Direction: Southeasterly Cloud cover: Partially clear

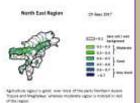
Wind speed: 2 km/hr

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hniam lai berin 51-54% ni tur a rin niin. Thli hi darkar khatah 2 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: 44.0mm

NDVI for Mizoram

Rainfall: 00.0 mm



Moderately wet mildly dry/mildly wet conditions

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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	}	F-1	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.			
	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	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. 			
		1 4	2 P a g e			

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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	1 2	hmain an thliar hrang leh vek thin ani.
1 1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	borer	ani.
1	f., (Hmaih neih nuaih loh tur ani.
)	wy)	♣ Sneg hmaih te lakkhawma paih vek tur
\$	2 1	ani.
3		♣ Seng bang zawng zawng chu uluka taka
£		paih fai vek tur ani.
	7/	♣ A thlai vennan a rah tlai ho chu paih vek
> MAMIT		tur ani.
7		Hmun dam lutukah dah loh tur.
3.	Z AIZAWIL /	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		tak a hlawi tur ani.
1	2	
l l	1 6 1	EC @ 340 ml/200 lit emaw lamda
1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
े हैं €		♣ In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCH	parchment 10 %, Arabica cherry 10.5 % leh
-	1	robusta cherry 11.0 %.
1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
3		dang te paihpaih vek tur ani.
		Bordeaux mixture 0.5% in February -
	Manager	March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
EREALS AND PULSE CROPS	THE PERSON NAMED IN COLUMN TO SERVICE AND	monsoon an kan chiquizawin tur am.
Rabi Maize A chin hun	- 22	→ Vaimim chinna tur atan lei kan let
11 CHIH HUH	111	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
	1 7 7	a pui dawn a ni.
		♣ A chi chu kan lei leh saah chuan kan
) -3]	dah ang.
	1	↓ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	The state of the s	↓ 20-25 kg/ha vel a chi thlak hi a tawk
	(()	vel viau ani.
		♣ A chi tuh hma in lei leh FYM @5-10
	1 2	
	60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram	1	wy)	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in		/	khuh tur ani.
rice fellow	TIMMAN (Myangahang laying aly ship no tun
Potato	Sowing stage	A AIZAWL	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 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	MANAGEMENT .	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
		7 5	tur ani .
Early Cole	Black spot	1 22 1	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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	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora blight	 ♣ A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle ani ♣ Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

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

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	entive 0-3 rd wee sures	 ♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. ♣ Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. ♠ Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
Tiple 1	4 th weeks	Coccidiosis- Amprolium or coccidiostat
9	4-5 th Weel	ks
FISHERY	(AIZAVIL	CHAMPAI
monit (Sar chhua	ing and toring ngha ah leh awl)	 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a sangha man a a rihzawng enfiah zel tur ani. Thla tin a chinai tlem hman hian tui thur tur a veng a sangha an than that

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Serchhip Period: 27 September - 01 October, 2017

Date of issue: 26th September, 2017 Bulletin No: - 736/2017/ Bulletin/English

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	4	8	20	19	39
Max Temp (°C)	33	33	33	33	33
Min Temp (°C)	21	22	23	23	24
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	99	99	100	99
Min RH (%)	48	62	52	49	44
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)**Mamit-197.57mm**

(372.0mm)Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

(376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17-20°C Maximum RH (%):94-98% Minimum RH (%):79-95%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

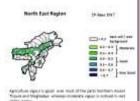
Rainfall: 08.3 mm

Weather forecast valid from 27th September, 2017 To 01st October, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 33°C and 21-24°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 44-62%. Wind direction would be easterly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 90.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	5	♣ According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	1		and temperature will be high. So
LIME)	WAY 3	drainage channel shall be block the
BANANA	\$	2 1	channel for maintain field moisture.
DANANA	3	Common Land	# Medium to young seedling should be
	1		support by bamboo stake. Use split dose of fertilizer for normal
STAR FRUIT	2	/	growth and development.
STAR FROIT	MAMIT		♣ To increase the fruit set, spray 2, 4 – D
	\$ 11.000	AIZAVAL	(a) 20 ppm during flowering stage. For
PLUM AND	1	Canedan-	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	1	5	or NAA @ 30 ppm after fruit set (marble
	46	2 2	size).
	1		♣ Due to high humidity, high
	1 6		temperature and less rainfall in hilly
	1)		region of the district probability of leaf
	-	SERCHN	
		V~ 1	Hexaconazole @ 1 ml/10 lt of water.
	(Citrus cancar	Copper based fungicides Copper Oxy
	1		Chloride 50%WP @ 2g/lt or bactericides
	- 1		Blitox 50 WG @ 0.01g/lt can provide a
		LUNGLEI	barrier against infection, but they will not
	-	H1975 H197	treat an existing infection. Control minor infections limited to a small
	2.7	200	area of the tree by pruning away the
	5	7 7	affected parts.
			Severely infected trees should be destroyed
	((6 20)	to prevent infecting healthy trees nearby.
		Citrus leafminor	♣ Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		did battorily	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAN	stage when 1st instars predominate which
	-	SAIHA	coincides with I Fortnight of July.
Passion Fruit	Flowering to		Trail semi hard wood stem to bower
	fruiting stage	1	structure
		9 1	♣ Clean near the base of the plant.
		1 4 6	2 P a g e

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PLANTATION CR	ROP	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. Medium to young seedling should be support by bamboo stake. To increase the fruit set, spray 2, 4 – D @ 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble size).
COFFEE	Flowering	AIZAWL		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. Medium to young seedling should be support by bamboo stake. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Transplanting stage	LAWNGTLAL	4	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. Medium to young seedling should be support by bamboo stake. Medium to young seedling should be

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			4	support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
CEREALS AND F		V KOLASIB V		A 1: / C / 1 / /1
Kharif Rice	Panicle Initiation stage	LA SAVAL	4	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. Due to high humidity, high temperature and less rainfall in plan region of the district probability of blast will be high. So apply Tubeconazole @ 1 ml/10 lt of water.
	1			Maintain water level in the field and if possible one hand weeding should be done.
		Gandhi bug		Weed sanitation and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gandhi bug. Mechanical control measures such as smoking the field, hand-picking of adults and nymphs have also been advocated.
	3	Rice leafroller	+	Stop indiscriminate use of fertilizer. Use any systemic insecticide like Monocrotophos 1 ml/lt of water for light damage amd 2 ml/lt of water for heavy damage.
Jhum Rice	Harvesting stage	LAWNIGTLAL	+	According to forecast and past weather record, probability of rain will be high and temperature will be less. So drainage channel shall be maintained. Harvest all the mature panicles. Dry the paddy grains properly and regularly before storing to reduce storage insect pests and fungus. Paddy grains can be mixed with neem leaves at the time of storage to reduce storage pests.

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			4	Drain out excess water and keep dry				
				for next pulse sowing.				
Kharif maize	Harvesting	1		Harvest all the mature cobs.				
	stage	F 3	-	Large Property Appears Large Property				
	1 1	5		regularly before storing to reduce storage insect pests and fungus.				
		KOLASIB		Maize grains can be mixed with neem				
	1		S .	leaves at the time of storage to reduce				
)	GA,		storage pests.				
Zero tillage	Germination	11	4	Thinning must be done where more				
Soybean	stage	The same of the sa		population was observed.				
cultivation in	stage		4	Apply 2% urea solution for better				
				growth.				
Jhum	/ MAMIT		4	Weeding and earthing up should be				
	\$ 11.000	1	2	carried out.				
Rabi Maize	Sowing stage	Constant:	4	Due to availability of soil moisture in				
	9 0	5		field, land preparation should be				
	1	1		started for rabi maize. It can be grown				
	1			in all types of soils having adequate				
	2 6			provision of drainage.				
	1		+	Field should be ploughed properly so as				
		SERCHN	ŀ	to expose the pupae of red hairy				
	1			caterpillar.				
	(*	If anyone want to sow local winter				
		1000		variety maize seeds. Seed treatment is required to prevent from ant like				
				Chloropyrophos @ 1ml per kg of seed.				
Toria	Sowing stage	LUNGLEI	4	Due to availability of soil moisture in				
10114	Don't I g bouge	1000 (CASCO 100)		field, land preparation should be				
		yma		started for toria after rice harvest. It				
	5	m ?		can be grown better in loamy soils				
				having adequate provision of drainage.				
	((by se)	4	Clean all debris from the field.				
			4	Open the furrow with of dao or dibbler				
		-3		or khurpee.				
			+	Put recommended fertilizer dose and				
		LAWNGTLAL		mix with soil.				
		SAIHA	*	Place six to eight seeds per pocket with				
				30 cm row to row and 15 cm plant to plant distance.				
		4	e .	Sow certified seeds from a reliable				
		60 1	VIII.	Sow certified seeds from a remadic				

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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
VEGETABLE CR	OP		singire (iii 21, 16 00 and 16 00).
Cowpea	Harvesting Stage	KOLASIB	 Harvest all the mature pods. Dry the cowpea grains properly and regularly before storing to reduce storage insect pests and fungus. Cowpea grains can be mixed with neem leaves at the time of storage to reduce storage pests.
Okra	Harvesting Stage		 Harvest all the mature fruits. Dry the okra seeds properly and regularly before storing to reduce storage insect pests and fungus.
Ginger and turmeric	Vegetative stage	SERCHH	 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.
Colocasia	Vegetative stage	LUNGLEI	 ♣ 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. ♣ 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	Nursery stage	Land preparation	✓ Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. ↓ Raised bed, nursery bed solarisation.

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			♣ Bed should be 1m width and
			conventional length.
		5	♣ Application of FYM (1.5-2.0 kg/ m²)
		2	♣ Line sowing of seeds (7-10cm)
ANIMAL HUSBEN	VDARY		
Pig	All stages	V con som	♣ As the weather gets colder, your pigs'
	1	KOLASIB	energy requirement will increase, as
	1	En S	they need more energy to keep warm.
	/	77 2 2	♣ Regularly monitor their level of 'fitness'
	2		and increase their feed intake to
)	5	maintain.
	1		Fish oils are excellent for providing
	R	(slow-release energy with the added
	MAMIT	1)	advantage of a high level of omega-3.
	5	Porcine	1. Culling of positive pigs or piglets.
	7	Reproductive	1
)	Respiratory	/
	1	Syndrome	1
	- 1	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	1		months and yearly interval/6 month
		SERCHN	interval
Cattle	All age group	V	♣ During either hot or heavy rainy
			condition, animal are advised to keep
	1		under shade.
		LUNGLEI	prior to monsoon to protect from
		EMMOREI	disease like Anthrax, Black Quarter,
	= 4		Foot Mouth Disease, Duck Plague.
Poultry	Litter	m 200	Birds require adequate space, sufficient
	management	11	feed to meet their nutritional
	(Ci Si	requirements and an adequate supply of good-quality water.
	į		Good management and sanitation are
) 55	the best ways to avoid infectious
		1 2	disease in poultry.
		LAWNGTLAN	♣ Provide ample quantity of clean
		SAIHA	
		(SAITH	4 Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	1101011110	U U U U U	1 at (1 0)

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measu	res	days of birth and R ₂ B vaccine for adult
		birds.
		B complex with antibodies
1	4 th weeks	Coccidiosis - Amprolium or
	A Feb WY 1	coccidiostat
	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY		
Monitori		Excessive feeding leads to deterioration
fish in 1	pond	of water quality which could result in
/	2 5	mortality of fishes. Use of check tray feeding helps in
]		providing the right amount of feed and
7	MAGMIT	avoid feed wastage.
ζ.	1220000	♣ Feeding and manuring should be
16.	(AIZAWL	stopped when excessive algal bloom is
1	Ş	observed in pond.
1		Excessive aquatic weed should be removed as it harbours unwanted
		animals, weed fishes and insects that
		could harm the fish and leads to
	proper	disease out break.
	SERON	Growth of aquatic weed could be
		controlled by stocking grass carp while
		stocking of silver carp helps in controlling algal bloom.
	Ji i	♣ Monthly sampling using cast net or
	A CONTRACTOR OF THE PARTY OF TH	suitable net needs to be continued to
	LUNGLEI	study the growth, the health of fish and
	1	adjust the feeding rate.
	70	4 Monthly application of lime helps in
		stabilizing the pH of water for better growth
	190	growth
	1 (3)	(
	1	1
	LAWNGTLAL	
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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District: Serchhip Period: 27 September - 01 October, 2017

Bulletin No: - 736/2017/ Bulletin/Mizo Date of issue: 26th September, 2017

Parameters	27.09.2017	28.09.2017	29.09.2017	30.09.2017	01.10.2017
Rainfall (mm)	4	8	20	19	39
Max Temp (°C)	33	33	33	33	33
Min Temp (°C)	21	22	23	23	24
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	99	99	99	100	99
Min RH (%)	48	62	52	49	44
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- August 1-31, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 268.78mm

Saiha- 216.20 mm

Kolasib- 247.17mm

(430.2mm)

(301.30mm)

(367.7mm)

(372.0mm) Serchhip-247.35mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-370.28mm (371.4mm)

Mamit-197.57mm (376.0mm)

(301.8mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17-20°C

Maximum RH (%):94-98%

Minimum RH (%):79-95%
Wind Direction: Southeasterly

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

Rainfall: 08.3 mm

27th September- 01st October, 2017 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 33°C a ni ang a. A vawh lai ber in 21-24°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 44-62% ni tur a rin niin. Thli hi darkar khatah 2 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: 90.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	374	 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND	{ MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
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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		17	Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
	1. 1	- F 3	hmain an thliar hrang leh vek thin ani.
	1 1	Coffee Bower	♣ A hun takah leh fimkhhur taka seng tur
	1 3	Coffee Berry borer	ani.
	1	borer	Hmaih neih nuaih loh tur ani.
)	LA I	♣ Sneg hmaih te lakkhawma paih vek tur
	(3 0 1	ani.
	7		4 Seng bang zawng zawng chu uluka taka
	/	7	paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	K		tur ani.
	/ MAMIT	1	🖶 Hmun dam lutukah dah loh tur.
	§ .	AIZAWL I	🖊 Boruak tha taka a hmuh theih nan leh a
	1	Communication 1	rawn chawr no theih nan thlai chu uluk
	1	5	tak a hlawi tur ani.
	3	5	Chuan hei hian kah tur ani. Quinalphos 25
	1	1 1	EC @ 340 ml/200 lit emaw lamda
) 0		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
		armauu.	
	1	SERCHH	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		001100 11110	dang te paihpaih vek tur ani.
			♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	1	FARGETT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			
Rabi Maize	A chin hun 🤍	m Em	4 Vaimim chinna tur atan lei kan let
		31	phut darh anga.
	//	V (♣ Hei hian a rawn to chhuah na tur atan
		7 (6)	a pui dawn a ni.
	,	1 50 4	♣ A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Amprove-sure and	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		# SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		A A	♣ A chi tuh hma in lei leh FYM @5-10
		0 R (t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 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,	All stage	Zero tillage	A than a that theih nan nikhat danah tui pek thin tur ani.
lentil toria, breen gram)	60	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	7	2 5	♣ Thlasik lai a lei khoro lutuk tur ven
cultivation in	J		nan a chungah hnim leh thildanga khuh tur ani.
rice fellow	TIMMAN (
Potato	Sowing stage	AIZAWL	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1	7	Hei hian a than hun laiin natna hrikin
	1	3	lakah a veng dawn ani.
	1	1 50	Lei leh hmain a hmun hma chu fai
	1 6		taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah
	})		hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
VEGETABLE CR	OP	V Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3		hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
		13	Ridomil emaw Indofil emaw Mancozeb
	(@ 2 gm hi tui liter 1 ah pawlh a kah
Early Cole	Black spot		tur ani . 4 A than a that theih nan nikhat danah
crop	disease	20	tui pek thin tur ani.
		LIMMISTIALS	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAL	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		(zawnan dan tur am.
			sa vangin a hnah ah thil dum rawn
		N D	

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

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

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Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
measures	hy {	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
Į	4 th weeks	Coccidiosis - Amprolium or coccidiostat
J. MADAIT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	A AIZAWL	CHAMPAI
Stocking and monitoring (Sangha chhuah leh enkawl)	LUNGLEI	 Chaw pek hnem lutuk in tui boruak a ti chhia a, sangha thihna a thlen thei. Check tray hmang a sangha chaw pek hian pek zat tur hriat a awlsam a, tul lova chaw pek ral mai tur a veng. Dil a pat ek a lo tam anih chuan chaw pek leh leitha hman tih tawp rih tur ani. Dilah hnimhnan a tam lutuk chuan rannung thalo an awm duh a vang leh natna ti darh thei an awm thin avangin then fai thin tur ani. Dil a hnim tam lutuk ven nan grass carp chhuah a tha a pat ek lo awm tur ven nan silver carp chhuah tur ani. Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a

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