

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: 21 June – 25 June, 2017

Bulletin No: - 711/2017/ Bulletin/English

	The state of the s	1	1		
Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	3	3	3	11	9
Max Temp (°C)	33	33	33	33	33
Min Temp (°C)	23	23	23	23	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	98	99	99	99
Min RH (%)	59	55	72	73	78
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	S-E	E	N-E	E	N

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- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Kolasib- 236.00

(430.2mm) (359.89mm)

07.40 mm Kolasib- 236.00mm (507.7mm) (428.1mm)

Date of issue: 20th June, 2017

Lawngtlai-291.20mm Lunglei-326.00mm Mamit-204.87mm Serchhip-411.72mm (453.1mm) (465.14mm) (442.80mm) (259.62mm)

Weather summary of the past three days

Weather forecast valid from 24th June, 2017 To 28th June, 2017.

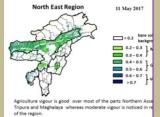
Maximum Tem. (°C):23-26°C
Minimum Tem. (°C):13-16°C
Maximum RH (%):99%
Minimum RH (%):88-95%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 2-4 km/hr

Rainfall: 11.3 mm

NDVI for Mizoram

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 33°C and 23°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 55-78%. Wind direction would be southeasterly to easterly to northeasterly to easterly and northerly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 45.0 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	Seedling	F 1	♣ According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	110001010	and temperature will be high. So soil
LIME	J	W.	moisture should be maintained in the
D 4 37 4 37 4	(3 4 /	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	[straw mulch near to the base of the
COAD EDILLO	J		plant.
STAR FRUIT) MAMIT		♣ Medium to young seedling should be
	(support by bamboo stake. In the citrus belt, trees can be planted
PLUM AND	\ \	AIZAWL	at any time; however, spring is the best
PEACH	\	5	time for container grown plants.
	\		♣ Standard-size trees should be spaced
	1	1 1	12 to 25 feet apart and dwarf trees
	1		should be set 6 to 10 feet apart. The
))		exact distance depends on the variety.
	S	SERCHH	
	ì		the distance.
	1	1	♣ Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	According to forecast and past weather
	\	Canker, Citrus	record, probability of rain will be less
	<u> </u>	Luigreening, Dieback, Lamon	and temperature will be high. So following pest problem will be high
	\	butterfly and leaf	Lamon butterfly- Spray monocrotophos
	<u>\</u>	minor	@0.04% @1.2 ml/lt of water.
	'	1111101	Leaf minor- Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
			emergence.
			4 Citrus Canker- Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower
	stage	SAIHA	structure
			Clean near the base of the plant.
			According to forecast and past weather
		2	record, probability of rain will be less

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	MAMIT	KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Pineapple	Flowering stage	SERCHH	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR			
COFFEE	Vegetative stage	LAWNGTLAI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.
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			4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
	7 1	1 3	4	Mulching should be done with dry
		7		grasses near the tree base to conserve
		KOLASIB		soil moisture during winter.
	(1.	\ <u>+</u>	Spray lantana camera leaf paste
)	W)		around 3 kg/16 lt water which will give
	ζ) 1 (effective control against drought
	<i></i>	5		condition.
Rubber	Nursery stage		4	According to forecast and past weather
	₹			record, probability of rain will be less
	/ MAMIT	1 (and temperature will be high. So soil
	S .	AIZAWL	-	moisture should be maintained in the
		ALEATE !		field. If very shortage of rainfall will be
	ή) (observed then use grass mulch or
	\	\ \ \ \ \ \ 2		straw mulch near to the base of the
	1	1 1		plant.
)		-4	Medium to young seedling should be
))			support by bamboo stake.
		SERCHH	+	In the citrus belt, trees can be planted
	1	SEROIIII		at any time; however, spring is the best
		" 5-7		time for container grown plants.
)		+	Make fire line to protect the young tree
		\ \	_	and seedlings.
	(+	10-12 kg of well rotten organic manure
		LUNGLEI		and 225 gm rock phosphate should be
	}			apply at time of planting to each pit as
				basal dose application.
CEREALS AND I			-	***
Pre Kharif	Transplanting		+	Water level shall be maintained for
Rice	stage	4	-4-	better transplant.
				Plough the field two to three times.
		1 2	+	According to forecast probability of rain
				will be moderate to high and
		LAWNGTLAL		temperature will be less so run off and
		SAIHA		proper drainage should be maintained
		(_	in the field.
			~*	Transplant 2-3 seedlings in one place
				for avoid gap filling.
			-	4 LD
				4 P a g e

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			4	Spacing should be 20 cm row to row
			_	and 15 cm plant to plant.
				Keep some seedlings in nursery or
	- \ \ -	Dies theirs and		corner of the field for gap filling. According to forecast probability of rain will
		Rice thrips and		be moderate to high and temperature will
		rice leaf mites		be less and humidity will high so possibility
			1	of rice thrips attack will high.
)	(A)	4	Spray Monocrotophos @ 1.5 ml/lt of water
	(1 1		or Imidachloroprid 1.5 ml/lt of water for
				effective control.
Jhum Rice	Germination			According to forecast probability of rain
	stage			will be moderate to high and
) MAMIT			temperature will be less so run off and
	(}		proper drainage should be maintained
		AIZAWL	The state of the s	in the field.
	l l	1		Don't use split dose of fertilizer for top
				dressing.
	\ \	Rice stem borer		According to forecast probability of rain will be moderate to high and temperature will
	1	and leaf folder		be less and humidity will high so possibility
	1	~ -)		of rice thrips attack will high.
	1/	or noun	4	Spray Monocrotophos @ 1.5 ml/lt of water
		SERCHH		or Imidachloroprid 1.5 ml/lt of water for
		V (effective control.
Maize	Vegetati <mark>ve</mark>			According to forecast probability of rain
(Jhum)	stage	1		will be moderate to high and
	(temperature will be less so run off and
		LUNGLEI		proper drainage should be maintained
	3			in the field.
		6	+	Don't use split dose of fertilizer for top
IIDODMADI D ODO	\	A (N	-	dressing.
VEGETABLE CRO			-1-	According to forcest well-1:11:4- of well-
Cowpea	Vegetative	4 1		According to forecast probability of rain will be moderate to high and
	stage			will be moderate to high and temperature will be less so run off and
		1		proper drainage should be maintained
				in the field.
		LAWNGTLAL		Don't use split dose of fertilizer for top
		SAIHA	_	dressing.
				Trail semi hard wood stem to bower
			~	structure
		7		
		TIN. A		5 P a g e

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			4	Clean near the base of the plant.
Okra	Vegetative		_	According to forecast probability of rain
	stage			will be moderate to high and
		\ \ \ \ \ \ \ \		temperature will be less so run off and
	3 (J ?		proper drainage should be maintained
				in the field.
		KOLASIB	. 4	Don't use split dose of fertilizer for top
	\ \ \		1	dressing.
	/		4	Trail semi hard wood stem to bower
)			structure
	}	5 6		Clean near the base of the plant.
		Okra leafroller	4	Apply insecticide like imidacloprid 0.5 ml or
	{			phosolone 1.5 ml or acephate 1.0 g or
	/ MAMIT		<u> </u>	dimethoate 2 ml/lt of water.
Ginger and	Vegetative	AIZAWL	e +	According to forecast probability of rain
turmeric	stage	\ AIEANE	100	will be moderate to high and
	\ \	5		temperature will be less so run off and
	ή			proper drainage should be maintained
	1			in the field.
) [~			Apply well decomposed FYM/ pig
))			manure @ 10-20 t/ha along with
		SERCHH	IP	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil for better
	1			incorporate with soil for better development.
Colocasia	Vegetative		4	According to forecast probability of rain
Colocasia	stage	7	-	will be moderate to high and
	stage	`		temperature will be less so run off and
				proper drainage should be maintained
		LUNGLEI		in the field.
	(_	4	Apply well decomposed FYM/ pig
	L.	S~		manure @ 10-20 t/ha along with
	1	(A)	H	120:80:60 kg N, P_2O_5 and K_2O/ha
		$P \setminus A = A = A$	14	incorporate with soil for better
				development.
ANIMAL HUSBEN	NDARY			
Pig	All stages	1	4	As the weather gets colder, your pigs'
		LAWNGTLAL		energy requirement will increase, as
				they need more energy to keep warm.
		SAIHA	+	Regularly monitor their level of 'fitness'
				and increase their feed intake to
				maintain.
		7)—	ZID
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			♣ Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	3 \	Reproductive	
		Respiratory	
		Syndrome	
	1	1	
	A 1 1/4 .	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		↓ During either hot or heavy rainy
	} _{MAMIT}	1	condition, animal are advised to keep
	/	\	under shade.
	}	AIZAWL	Vaccination is mandatory for the cattle
	1	1	prior to monsoon to protect from
	l l	3	disease like Anthrax, Black Quarter,
_	l _e		Foot Mouth Disease, Duck Plague.
Poultry	Litter	1 1	Birds require adequate space, sufficient
	management		feed to meet their nutritional
	1 //		requirements and an adequate supply
		SERCHH	
		V (~	Good management and sanitation are
			the best ways to avoid infectious
		7	disease in poultry. Provide ample quantity of clean
			Provide ample quantity of clean drinking water.
		LUNGLEI	Avoid feeding of mouldy feed. Don't
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	the feet of the final final	make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	The state of the s	O-3 WECK	days of birth and R_2B vaccine for adult
	measures) \	birds.
			B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
			coccidiostat
		4-5th Weeks	
FISHERY		LAWNGTLAL	- Calcium tomic fortified with D ₁₂
FISHERI		SAIHA	
	Pond	3 rd -4 th weeks	Application of fertilizers/manure helps
	preparation		in development of plankton which serve
			as natural feed for the fishes.
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			, 11 46 0

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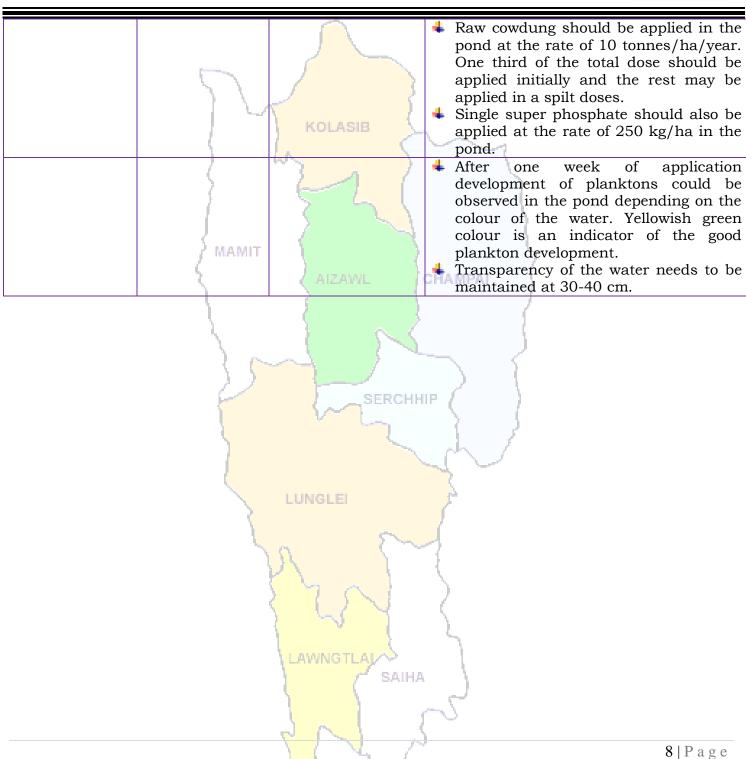


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SAIHA

LAWNGTLA

CHAMPAL

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Bulletin No: - 712/2017/ Bulletin/Mizo

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(428.1mm) Serchhip-411.72mm

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Maximum RH (%):99% Minimum RH (%):88-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-4 km/hr

Rainfall: 11.3 mm

24th June- 28th June, 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 23°C ni tura beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 55-78% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 45.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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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	}	5	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		
	A MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH			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	OP				
COFFEE	All stages	LAWNGTLAI	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.
	7 7	7	♣ A rah hmin tha lo ho chu nuai sawm
) \	J	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	\	I	🖊 Hmaih neih nuaih loh tur ani.
	}	WS)	♣ Sneg hmaih te lakkhawma paih vek tur
	ζ	2 1	ani.
	(♣ Seng bang zawng zawng chu uluka taka
	[paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	∫ MAMIT	()	tur ani.
	∫ MANIT	\ (Hmun dam lutukah dah loh tur.
	h 5	AIZAWL	Boruak tha taka a hmuh theih nan leh a
)		rawn chawr no theih nan thlai chu uluk
	\ \)	tak a hlawi tur ani.
	3	1 2	Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \	T -) /	In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
	7./		
		SERCHH	robusta cherry 11.0%.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	ļ ļ	l "	March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
	\	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	5	→ Vaimim chinna tur atan lei kan let
		0	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			A chi chu kan lei leh saah chuan kan
			dah ang.
		LAWNGTLAL	A chi chu Thiram @4 g/kg seed hian ak
			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
		7	t/ha leh $80:60:40$ kg N, P_2O_5 leh
		V. V	3 Page

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ⚠ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	} MAMIT		 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			#5/70 v/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn
			ber ani.
			♣ Thlai hna lam chi leh zikhlum lam
	()	7	chi reng reng enkawl nan Mancozeb
) \	-	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum	/	W >)	tui pek thin tur ani.
	5		Thlai bul vawn hnawn nana thlai bula
			hnim ring vawm khawm hi tui pek
			zawhah dah tur ani.
	J		Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT)	to loh nan Pendimethalin @ 3.5ml hi
	(tui liter 1 zelah pawlh a kah hi a tha
	((AIZAWL)	CHAIhle ani.
	\	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	\	(blight)	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
	1/		pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	♣ Tui pek a hnihnah hringa khuh tur ani
		V (,	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
		LUNGLEI	tur ani.
Carrot and	Sowing stage		♣ A than a that theih nan nikhat danah
radish	1	<u> </u>	tui pek thin tur ani.
	*	0	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
			₹ Zikhlum lam chi ah chuan sik leh
			/ sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
			pamina nan tan ann.

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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.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAI	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	7 /	J 2		an chaw eitur thlak sak thut loh tur
		()		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	[E	0-3 ** week		
	measures	W 1		1-6 ah F1 vaccine pek tur ani a, chuan
	(3 4 /		a puitlingh chuan R2B vaccine pek tur
	7	(١.	ani.
)	> -	-	B complex with antibodies
		4th weeks	4	Coccidiosis - Amprolium or
	l /			coccidiostat
	MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
DIGHEDY	<u> </u>	D I T D A II		
FISHERY	\ \ \	CHIZAVYL	WITH.	AMPAI .
	Pond	3 rd -4 th weeks	+	Dil a leitha hman hian sangha chaw
	preparation	()		kan tih mai planktons insiam nan a
	(Dil buatsaih)	1		tanpui thin.
	(211 24405411)		-	Bawngek hring 10 tonnes/ha/year vel
	(()		_	dil ah hman thin a ni a; bawngek
	1 1			
		SERCH	IIP	
	ì	V~ _		hmunthum a then a hmunkhat hi dil
				buatsaih nan hman tur ani. A bak
)	-		zawng hi tui boruak a zirin semdarh a
		`		hman thin tur ani.
			4	Single super phosphate hi dil hectare
		LUNGLEI		khat zel a zauah kg 250 ang a hman
	>			thin tur ani.
			4	Leitha kan hman atang a karkhat
		2 /	-	hnuah tui rawng a tangin sangha chaw
	,		1	inseam that leh thatloh a hriat theih a.
			1	Tui rawng eng hring deuh nghalh ah
		5 7 ~ 1		
			(hian sangha chaw planktons te an
		1	1	inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL		pawh 30-40 cm vel ani tur ani.
		SAIHA	4	\
			_	
			_	/-
			1	
		P)—	
		- N- /		7 P a g e

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SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

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District: Mamit Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

Date of issue: 23rd June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	6	5	4	7	23
Max Temp (°C)	33	32	33	32	32
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	98	99	99	99
Min RH (%)	68	60	72	72	79
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	E	E	S-E	S-E

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

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 105.48mm Saiha- 307.40 mm Aizawl- 384.87mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)(507.7mm) (428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm) **Mamit-204.87mm** (442.80mm) Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Weather forecast valid from 24th June, 2017 To 28th June, 2017.

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):14-16°C Maximum RH (%):98-100% Minimum RH (%):86-96% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

Rainfall: 12.5 mm

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 98-99% and minimum may from 60-79%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 45.0 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	Seedling	5	♣ According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage) NOCAGIO	and temperature will be high. So soil
LIME]	W.	moisture should be maintained in the
70.4 37.4 37.4	(3 1 /	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	[straw mulch near to the base of the
COAD EDILO	J		plant.
STAR FRUIT	MAMIT (Medium to young seedling should be support by bamboo stake.
	((0.17.01411	In the citrus belt, trees can be planted
PLUM AND	\ \ \	AIZAWL	at any time; however, spring is the best
PEACH	\		time for container grown plants.
	\		♣ Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
	1		should be set 6 to 10 feet apart. The
			exact distance depends on the variety.
	<u></u>	SERCHH	
	l	V~ L_	the distance.
			Use split dose of fertilizer for normal
		Gummosis, citrus	growth and development. According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		Lungreening,	and temperature will be high. So
	5	Dieback, Lamon	following pest problem will be high
	l l	butterfly and leaf	Lamon butterfly- Spray monocrotophos
	*	minor	@0.04% @1.2 ml/lt of water.
			Leaf minor- Spray confidor 0.05% (0.5
		70	ml/lit of water) at each flush
			emergence.
			Citrus Canker- Apply bacterimycin @0.6 g/lt of water.
Passion Fruit	Vegetative		☐ Trail semi hard wood stem to bower
I assion Fluit	stage	LAWNGTLAN	atmiotilmo
	2-3-8-	SAIHA	Clean near the base of the plant.
			4 According to forecast and past weather
			record, probability of rain will be less
		4	
		1 4	2 P a g e

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SERCHH Serving emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches and weed near to the plant. PLANTATION CROP COFFEE Vegetative stage Vegetative stage According to forecast and past weather record, probability of rain will be less and temperature will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.		MAMIT	KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
**According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. **Medium to young seedling should be support by bamboo stake.	Pineapple		SERCHH	Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches
record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.				
31Page	COFFEE	_		record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be
			MA N	3 Page

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			4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
	7 \	2	4	Mulching should be done with dry
				grasses near the tree base to conserve
		KOLASIB	4	soil moisture during winter.
	{	1.	4	Spray lantana camera leaf paste
)	WS)		around 3 kg/16 lt water which will give
	5	2		effective control against drought
	5	5 4		condition.
Rubber	Nursery stage		4	According to forecast and past weather
	₹			record, probability of rain will be less
	/ MAMIT			and temperature will be high. So soil
	ς	AIZAWL		moisture should be maintained in the
	1	ALLAN I.	tur I	field. If very shortage of rainfall will be
	Υ	5)		observed then use grass mulch or
	\			straw mulch near to the base of the
	\ \			plant.
) 🏊		-+	Medium to young seedling should be
))			support by bamboo stake.
		SERCHH	ir *	In the citrus belt, trees can be planted
		(~~)		at any time; however, spring is the best
		V C		time for container grown plants.
		-	+	Make fire line to protect the young tree
		\ \	-	and seedlings.
	(+	10-12 kg of well rotten organic manure
		LUNGLEI		and 225 gm rock phosphate should be
	7			apply at time of planting to each pit as
				basal dose application.
CEREALS AND I			-1-	TT7-4 1111-1
Pre Kharif	Transplanting		-	Water level shall be maintained for
Rice	stage	7		better transplant.
				Plough the field two to three times.
		1 2	#	According to forecast probability of rain
				will be moderate to high and
		LAWNGTLAL		temperature will be less so run off and
		SAIHA		proper drainage should be maintained
				in the field.
			~*	Transplant 2-3 seedlings in one place
				for avoid gap filling.
		T A	-	1 + D 0 0 0
		74 (4 P a g e

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			<u>.</u> (Spacing should be 20 cm row to row
				and 15 cm plant to plant.
				Keep some seedlings in nursery or
				-
	1			corner of the field for gap filling.
	1 _/	Rice thrips and		According to forecast probability of rain will
		rice leaf mites		be moderate to high and temperature will be less and humidity will high so possibility
) NOLAGID		of rice thrips attack will high.
	}	10		Spray Monocrotophos @ 1.5 ml/lt of water
	(3 4 /		or Imidachloroprid 1.5 ml/lt of water for
	7		ϵ	effective control.
Jhum Rice	Germination			According to forecast probability of rain
	stage			will be moderate to high and
	\(\int_{MAMIT} \)	1 A		temperature will be less so run off and
	/ 100-00011	\ (1	proper drainage should be maintained
	}	AIZAWL I	i i	in the field.
		> 1	♣ I	Don't use split dose of fertilizer for top
				dressing.
),	Rice stem borer		According to forecast probability of rain will
	1	and leaf folder		be moderate to high and temperature will
	\ <u> </u>	~ \		be less and humidity will high so possibility
))			of rice thrips attack will high.
	S	SERCHH		Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for
				effective control.
Maize	Vegetative			According to forecast probability of rain
(Jhum)	stage	7		will be moderate to high and
(Ortain)	stage	`	_	temperature will be less so run off and
				proper drainage should be maintained
	\	LUNGLEI		in the field.
	(Don't use split dose of fertilizer for top
	L.	. S~		dressing.
VEGETABLE CRO	OP			<u> </u>
Cowpea	Vegetative		♣ A	According to forecast probability of rain
_	stage			will be moderate to high and
		7	t	temperature will be less so run off and
		V (proper drainage should be maintained
				in the field.
		LAWNGTLAL	♣ I	Don't use split dose of fertilizer for top
		/ SAIHA	C	dressing.
				Prail semi hard wood stem to bower
			S	structure
		7		
		1 4		5 P a g e

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			4	Clean near the base of the plant.		
Okra	Vegetative		_	According to forecast probability of rain		
	stage			will be moderate to high and		
		\ \ \ \ \ \ \ \ \		temperature will be less so run off and		
	3 (J ?		proper drainage should be maintained		
				in the field.		
		KOLASIB	. 4	Don't use split dose of fertilizer for top		
	\ \ \		1	dressing.		
	/		4	Trail semi hard wood stem to bower		
)			structure		
	}	5 6		Clean near the base of the plant.		
		Okra leafroller	4	Apply insecticide like imidacloprid 0.5 ml or		
	│			phosolone 1.5 ml or acephate 1.0 g or		
	/ MAMIT			dimethoate 2 ml/lt of water.		
Ginger and	Vegetative	AIZAWL	ei*	According to forecast probability of rain		
turmeric	stage	Aleante	100	will be moderate to high and		
	\ \)		temperature will be less so run off and		
	`\	N 4 /		proper drainage should be maintained		
	1			in the field.		
	}		-	Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with		
))			, ,		
		SERCHH	IP.	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil for better		
	1			development.		
Colocasia	Vegetative		4	According to forecast probability of rain		
Colocasia	stage	7	-	will be moderate to high and		
	stage	`		temperature will be less so run off and		
				proper drainage should be maintained		
		LUNGLEI		in the field.		
	(_	4	Apply well decomposed FYM/ pig		
	L.	S~		manure @ 10-20 t/ha along with		
	1	(A)	H	120:80:60 kg N, P_2O_5 and K_2O/ha		
		$P \setminus A = A = A$	14	incorporate with soil for better		
				development.		
ANIMAL HUSBEN	NDARY					
Pig	All stages		4	As the weather gets colder, your pigs'		
		LAWNGTLAL		energy requirement will increase, as		
				they need more energy to keep warm.		
		SAIHA	+	Regularly monitor their level of 'fitness'		
				and increase their feed intake to		
				maintain.		
		7)—	ZID		
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			Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	3 1	Reproductive	1. Caming of positive pigs of pigiete.
		Respiratory	
		Syndrome	\
	1	(PRRS).	
	A d14 -4		0 77
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month
		2 5	interval
Cattle	All age group		♣ During either hot or heavy rainy
	MAMIT		condition, animal are advised to keep
		}	under shade.
	3	AIZAWL	Vaccination is mandatory for the cattle
	l l	1	prior to monsoon to protect from
		3	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	- 1 N	Birds require adequate space, sufficient
	management		feed to meet their nutritional
	1/		requirements and an adequate supply
		SERCHH	
		V (-	Good management and sanitation are
			the best ways to avoid infectious
			disease in poultry. Provide ample quantity of clean
			Provide ample quantity of clean drinking water.
		LUNGLEI	Avoid feeding of mouldy feed. Don't
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	See Self 1 St Self See Seed	make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	The second secon	O-3 WEEK	days of birth and R_2B vaccine for adult
	measures		birds.
			B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
		1	coccidiostat
		4-5th Weeks	
FIGUEDV		LAWNGTLAL	- Calcium tomic fortified with B ₁₂
FISHERY		SAIHA	
	Pond	3 rd -4 th weeks	Application of fertilizers/manure helps
	preparation		in development of plankton which serve
			as natural feed for the fishes.
		VV	7 Page
			, 11 46 0

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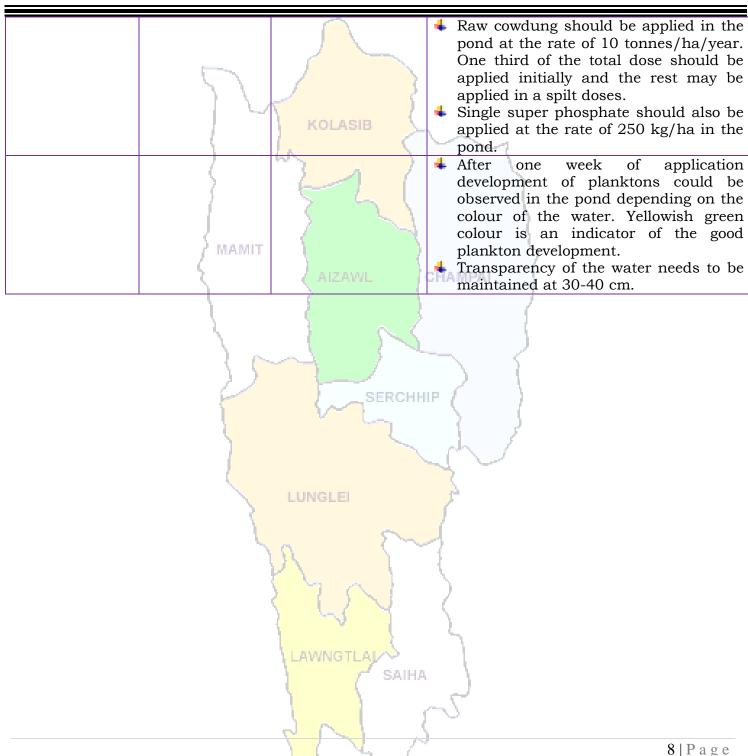


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SAIHA

LAWNGTLA

CHAMPAL

9 | P a g e

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District: Mamit Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/Mizo

Date of issue: 23rd June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	6	5	4	7	23
Max Temp (°C)	33	32	33	32	32
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	98	99	99	99
Min RH (%)	68	60	72	72	79
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	E	E	S-E	S-E

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

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C

Minimum Tem. (°C):14-16°C Maximum RH (%):98-100% Minimum RH (%):86-96%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

•

Rainfall: 12.5 mm

24th June- 28th June, 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 32-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 60-79% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 45.0mm

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 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	}	55	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		
	A MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH		Commencial sitema	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	OP				
COFFEE	All stages	LAWNGTLAI	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.		
		4)		
2 P a g e					

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			Howasting Store
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	7 7	1 / 3	♣ A rah hmin tha lo ho chu nuai sawm
		2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
]	borer	ani.
	1		+ Hmaih neih nuaih loh tur ani.
	/	W 5	4 Sneg hmaih te lakkhawma paih vek tur
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ani.
)		Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		4 A thlai vennan a rah tlai ho chu paih vek tur ani.
) MAMIT	1	Hmun dam lutukah dah loh tur.
	<i>l</i>	}	Boruak tha taka a hmuh theih nan leh a
	₹	AIZAWL	rawn chawr no theih nan thlai chu uluk
	l l	3 1	tak a hlawi tur ani.
]		4 Chuan hei hian kah tur ani. Quinalphos 25
	l,	1 ~ (EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	l [In leh loa sawngbawln a a ro dan tur
))		tawkah chuan: Arabica / robusta
	S	SERCHH	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
)	1	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		monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			1 37 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Rabi Maize	A chin hun 🛴	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	→ Vaimim chinna tur atan lei kan let
	'		phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		D C Y	4 A chi chu kan lei leh saah chuan kan
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	dah ang.
			♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLA	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
		201	t/ha leh 80:60:40 kg N, P_2O_5 leh
		M V V	3 Page

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Carlan		XOLASIR.	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			100 / 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn
			ber ani.
			♣ Thlai hna lam chi leh zikhlum lam
	()	7	chi reng reng enkawl nan Mancozeb
) \ .	-	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum	/	W 5	tui pek thin tur ani.
	5		Thlai bul vawn hnawn nana thlai bula
)		hnim ring vawm khawm hi tui pek
			zawhah dah tur ani.
	l - {		Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT	\ \ \	to loh nan Pendimethalin @ 3.5ml hi
	ζ	AIZAWI	tui liter 1 zelah pawlh a kah hi a tha
	1	7.112.1112	☐ HA hle ani. 4 A chi ven that nan thiram 3g/kg seed
	\	Phytopthora	emaw Trichoderma viride 4g+ metalaxyl 4g
	\	blight	(Apron)/ kg seed hi a tha hle ani
	1		Hneh taka 1% Bordeaux chawhpawlh
)		emaw 2 g captan emaw 3 copper
))		oxychloride a tui liter 1 hi 10-15 DAS a
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	\~\	↓ Tui pek a hnihnah hringa khuh tur ani
			a. than a that theih nan tui pek hma
)		in lei rin pan hmasak tur ani.
		\	A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
	~	LUNGLEI	tur ani.
Carrot and	Sowing stage		A than a that their nan nikhat danah
radish		5	tui pek thin tur ani.
	7	0 1	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		1 7 ~ 1	Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
		1	tlanglawn ber ani.
		LAWNGTLAJ	♣ Thlai hna lam chi leh zikhlum lam
		/ SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			👈 pawlha kah tur ani.

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ANIMAL HUSBEN	NDARY		
Pig	All stages	Porcine Reproductive	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 1. Vawknote emaw vawk lak hran.
	MAMIT	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI	 ♣ 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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	1			
			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3 \	2		an chaw eitur thlak sak thut loh tur
		N		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	()	1	1-6 ah F1 vaccine pek tur ani a, chuan
	11104154105	WS		a puitlingh chuan R ₂ B vaccine pek tur
	5			ani.
	S		4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	J			coccidiostat
	MAMIT	4-5 th Weeks	-	
		4-5th weeks		Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL	CH/	AMPAI
	Pond	3 rd -4 th weeks	+	Dil a leitha hman hian sangha chaw
	preparation	3		kan tih mai planktons insiam nan a
	(Dil buatsaih)	1 2		tanpui thin.
	(211 244 244 244 244 244 244 244 244 244	1	4	Bawngek hring 10 tonnes/ha/year vel
	{ (_	dil ah hman thin a ni a; bawngek
	1/			kumkhat a kan mamawh zat
		SERCHE	IIP	hmunthum a then a hmunkhat hi dil
		V- L.		buatsaih nan hman tur ani. A bak
				zawng hi tui boruak a zirin semdarh a
			J	hman thin tur ani.
			1	
			_	Single super phosphate hi dil hectare
	1	LUNGLEI	/	khat zel a zauah kg 250 ang a hman thin tur ani.
	(
		- 5~	1	Leitha kan hman atang a karkhat
	,	11	1 (hnuah tui rawng a tangin sangha chaw
			11	inseam that leh thatloh a hriat theih a.
		7 0		Tui rawng eng hring deuh nghalh ah
			1 (hian sangha chaw planktons te an
		1 2		inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL	1	pawh 30-40 cm vel ani tur ani.
		→ SAIHA	i,	\
			4	\
			ŧ ì	-
		7	1	710000
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		7 P a g e

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SAIHA

LAWNGTLA

CHAMPAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

Date of issue: 23rd June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	0	0	3	8	7
Max Temp (°C)	33	32	32	32	31
Min Temp (°C)	24	24	24	24	24
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	98	99	99	98	99
Min RH (%)	61	62	65	79	85
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	E	E	S-E	S-E	E

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

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champha

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):21-25°C

Minimum Tem. (°C):14-16°C Maximum RH (%):99-100%

Minimum RH (%):89-96% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

Rainfall: 08.6 mm

Weather forecast valid from 24th June, 2017 To 28th June, 2017.

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 31-33°C and 24°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 61-85%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 18.0 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	Seedling	F 1	♣ According to forecast and past weather			
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less			
AND ACID	stage	110001010	and temperature will be high. So soil			
LIME	J	W.	moisture should be maintained in the			
D 4 37 4 37 4	(3 4 /	field. If very shortage of rainfall will be			
BANANA	(observed then use grass mulch or			
	[straw mulch near to the base of the			
COAD EDILLO	J		plant.			
STAR FRUIT) MAMIT		♣ Medium to young seedling should be			
	(support by bamboo stake. In the citrus belt, trees can be planted			
PLUM AND	\ \	AIZAWL	at any time; however, spring is the best			
PEACH	\	5	time for container grown plants.			
	\		♣ Standard-size trees should be spaced			
	1	1 1	12 to 25 feet apart and dwarf trees			
	1		should be set 6 to 10 feet apart. The			
))		exact distance depends on the variety.			
	S	SERCHH				
	ì		the distance.			
	1	1	♣ Use split dose of fertilizer for normal			
			growth and development.			
		Gummosis, citrus	According to forecast and past weather			
	\	Canker, Citrus	record, probability of rain will be less			
	<u> </u>	Luigreening, Dieback, Lamon	and temperature will be high. So following pest problem will be high			
	\	butterfly and leaf	Lamon butterfly- Spray monocrotophos			
	\\	minor	@0.04% @1.2 ml/lt of water.			
	1	1)	Leaf minor- Spray confidor 0.05% (0.5			
			ml/lit of water) at each flush			
		8	emergence.			
		1 1	4 Citrus Canker- Apply bacterimycin			
			@0.6 g/lt of water.			
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower			
	stage	SAIHA	structure			
			Clean near the base of the plant.			
			According to forecast and past weather			
		2	record, probability of rain will be less			

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	MAMIT	KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Pineapple	Flowering stage	SERCHH	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR			
COFFEE	Vegetative stage	LAWNGTLAI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.
		777	3 Page
			5 1 a g e

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			4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
	7 /	1 3	4	Mulching should be done with dry
		7		grasses near the tree base to conserve
		KOLASIB		soil moisture during winter.
	(1.	\ <u>+</u>	Spray lantana camera leaf paste
)	W)		around 3 kg/16 lt water which will give
	ζ) 1 (effective control against drought
	<i></i>	5		condition.
Rubber	Nursery stage		4	According to forecast and past weather
	₹			record, probability of rain will be less
	/ MAMIT	1 (and temperature will be high. So soil
	S .	AIZAWL	-	moisture should be maintained in the
		ALEATE !		field. If very shortage of rainfall will be
	ή) (observed then use grass mulch or
	\	\ \ \ \ \ \ 2		straw mulch near to the base of the
	1	1 1		plant.
)		-4	Medium to young seedling should be
))			support by bamboo stake.
		SERCHH	+	In the citrus belt, trees can be planted
	1	SEROIIII		at any time; however, spring is the best
		" 5-7		time for container grown plants.
)	-	+	Make fire line to protect the young tree
		\ \	_	and seedlings.
	(+	10-12 kg of well rotten organic manure
		LUNGLEI		and 225 gm rock phosphate should be
	}			apply at time of planting to each pit as
				basal dose application.
CEREALS AND I			-	***
Pre Kharif	Transplanting		+	Water level shall be maintained for
Rice	stage	4	-4-	better transplant.
				Plough the field two to three times.
		1 2	+	According to forecast probability of rain
				will be moderate to high and
		LAWNGTLAL		temperature will be less so run off and
		SAIHA		proper drainage should be maintained
		(_	in the field.
			~*	Transplant 2-3 seedlings in one place
				for avoid gap filling.
			-	4 LD
		- T- (4 P a g e

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			4	Spacing should be 20 cm row to row
			_	and 15 cm plant to plant.
				Keep some seedlings in nursery or
	- \ \ -	Dies theirs and		corner of the field for gap filling. According to forecast probability of rain will
		Rice thrips and		be moderate to high and temperature will
		rice leaf mites		be less and humidity will high so possibility
			1	of rice thrips attack will high.
)	(A)	4	Spray Monocrotophos @ 1.5 ml/lt of water
	(1 1		or Imidachloroprid 1.5 ml/lt of water for
				effective control.
Jhum Rice	Germination			According to forecast probability of rain
	stage			will be moderate to high and
) MAMIT			temperature will be less so run off and
	(}		proper drainage should be maintained
		AIZAWL	The state of the s	in the field.
	l l	1		Don't use split dose of fertilizer for top
				dressing.
	\ \	Rice stem borer		According to forecast probability of rain will be moderate to high and temperature will
	1	and leaf folder		be less and humidity will high so possibility
	1	~ -)		of rice thrips attack will high.
	1/	or noun	4	Spray Monocrotophos @ 1.5 ml/lt of water
		SERCHH		or Imidachloroprid 1.5 ml/lt of water for
		V (effective control.
Maize	Vegetati <mark>ve</mark>			According to forecast probability of rain
(Jhum)	stage	1		will be moderate to high and
	(temperature will be less so run off and
		LUNGLEI		proper drainage should be maintained
	3			in the field.
		6	+	Don't use split dose of fertilizer for top
IIDODMADI D ODO	\	A (N	-	dressing.
VEGETABLE CRO			-1-	According to forcest well-1:11:4- of well-
Cowpea	Vegetative	4 1		According to forecast probability of rain will be moderate to high and
	stage			will be moderate to high and temperature will be less so run off and
		1		proper drainage should be maintained
				in the field.
		LAWNGTLAL		Don't use split dose of fertilizer for top
		SAIHA	_	dressing.
				Trail semi hard wood stem to bower
			~	structure
		7		
		TIN. A		5 P a g e

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			4	Clean near the base of the plant.
Okra	Vegetative		_	According to forecast probability of rain
	stage			will be moderate to high and
		\ \ \ \ \ \ \ \		temperature will be less so run off and
	3 (J ?		proper drainage should be maintained
				in the field.
		KOLASIB	. 4	Don't use split dose of fertilizer for top
	\ \ \		1	dressing.
	/		4	Trail semi hard wood stem to bower
)			structure
	}	5 6		Clean near the base of the plant.
		Okra leafroller	4	Apply insecticide like imidacloprid 0.5 ml or
	{			phosolone 1.5 ml or acephate 1.0 g or
	/ MAMIT		<u> </u>	dimethoate 2 ml/lt of water.
Ginger and	Vegetative	AIZAWL	e +	According to forecast probability of rain
turmeric	stage	\ AIEANE	100	will be moderate to high and
	\ \	5		temperature will be less so run off and
	ή			proper drainage should be maintained
	1			in the field.
) [~			Apply well decomposed FYM/ pig
))			manure @ 10-20 t/ha along with
		SERCHH	IP	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil for better
	1			incorporate with soil for better development.
Colocasia	Vegetative		4	According to forecast probability of rain
Colocasia	stage	7		will be moderate to high and
	stage	`		temperature will be less so run off and
				proper drainage should be maintained
		LUNGLEI		in the field.
	(_	4	Apply well decomposed FYM/ pig
	L.	S~		manure @ 10-20 t/ha along with
	1	(A)	H	120:80:60 kg N, P_2O_5 and K_2O/ha
		$P \setminus A = A = A$	14	incorporate with soil for better
				development.
ANIMAL HUSBEN	NDARY			
Pig	All stages	1	4	As the weather gets colder, your pigs'
		LAWNGTLAL		energy requirement will increase, as
				they need more energy to keep warm.
		SAIHA	+	Regularly monitor their level of 'fitness'
				and increase their feed intake to
				maintain.
		7)—	ZID
		74		6 P a g e

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			♣ Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	3 \	Reproductive	
		Respiratory	
		Syndrome	
	1		
	A 1 1/4 .	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		↓ During either hot or heavy rainy
	} _{MAMIT}	1	condition, animal are advised to keep
	/	\	under shade.
	}	AIZAWL	Vaccination is mandatory for the cattle
	1	1	prior to monsoon to protect from
	l l	3	disease like Anthrax, Black Quarter,
_	l _e		Foot Mouth Disease, Duck Plague.
Poultry	Litter	1 1	Birds require adequate space, sufficient
	management		feed to meet their nutritional
	1 //		requirements and an adequate supply
		SERCHH	
		V (~	Good management and sanitation are
			the best ways to avoid infectious
		7	disease in poultry. Provide ample quantity of clean
			Provide ample quantity of clean drinking water.
		LUNGLEI	Avoid feeding of mouldy feed. Don't
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	the feet of the final final	make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	The state of the s	O-3 WECK	days of birth and R_2B vaccine for adult
	measures) \	birds.
			B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
			coccidiostat
		4-5th Weeks	
FISHERY		LAWNGTLAL	- Calcium tomic fortified with D ₁₂
FISHERI		SAIHA	
	Pond	3 rd -4 th weeks	Application of fertilizers/manure helps
	preparation		in development of plankton which serve
			as natural feed for the fishes.
		VV	7 P a g e
			, 11 46 0

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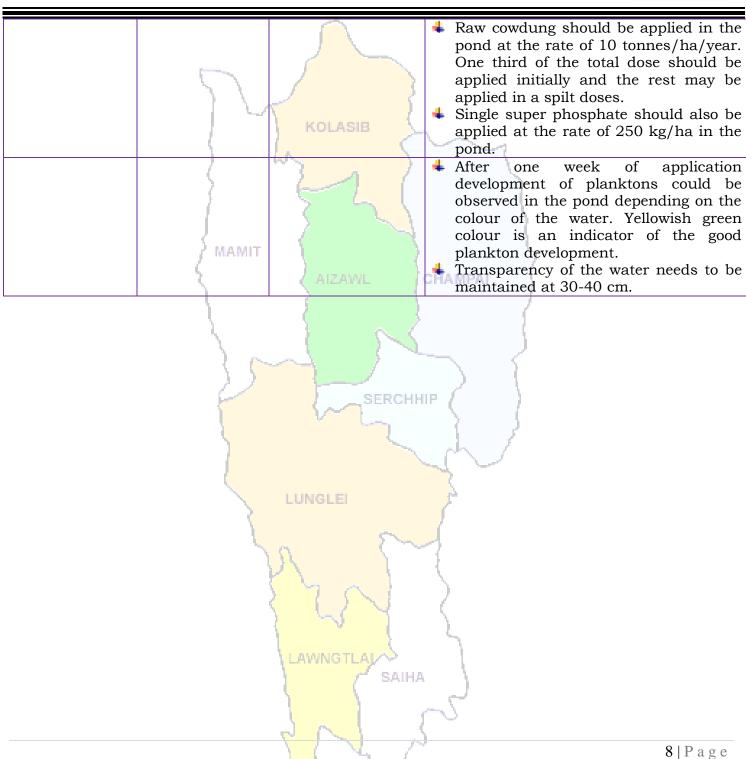


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*Wind Direction	E	E	S-E	S-E	E

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

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Wind Direction: Southeasterly
Cloud cover: Mainly cloudy

Wind speed: 3-4 km/hr

Rainfall: 08.6 mm

24th June- 28th June, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 3 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°C ni tura beisei a ni. RH san lai berin of 98-99% leh a hniam lai berin 61-85% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 18.0mm

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 AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 		
BANANA STAR FRUIT	}	5	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha		
	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH			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	OP				
COFFEE	All stages	LAWNGTLAI	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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			Harvasting Stage
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	()	/ ?	♣ A rah hmin tha lo ho chu nuai sawm
) \	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
		lf. (→ Hmaih neih nuaih loh tur ani.
)	(A)	♣ Sneg hmaih te lakkhawma paih vek tur
	() 1	ani.
	(4 Seng bang zawng zawng chu uluka taka
	(paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
			tur ani.
	/ MAMIT	1	👃 Hmun dam lutukah dah loh tur.
	5	AIZAWL	🖊 Boruak tha taka a hmuh theih nan leh a
)	\	rawn chawr no theih nan thlai chu uluk
	\	5	tak a hlawi tur ani.
	\		Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
	\	1 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	In leh loa sawngbawln a a ro dan tur
	1 / /		tawkah chuan: Arabica / robusta
		SERCHH	
			robusta cherry 11.0 %.
	l l	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, Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon, an kan chiunzawin tur am.
Rabi Maize			Voiming shippe true etch lei leen let
Rabi Maize	A chin hun	a (~	Vaimim chinna tur atan lei kan let
		1 1	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		V (3 A)	4 A chi chu kan lei leh saah chuan kan
		(V	dah ang.
			│ ♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAJ	sawngbawl hmasa anga.
		J [™] 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
			t/ha leh 80:60:40 kg N, P_2O_5 leh
		7	
		74	3 P a g e

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		 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		-	Tomoto hilrah ahuan aila lah aa hi
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn ber ani.
			Thlai hna lam chi leh zikhlum lam
	1 /	3	chi reng reng enkawl nan Mancozeb
		T }	@ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum) cago	(A)	tui pek thin tur ani.
_	ξ		Thlai bul vawn hnawn nana thlai bula
	1	5 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
			Thlai chhina hmun (nursery) hi hnim a
	∫ MAMIT	1	to loh nan Pendimethalin @ 3.5ml hi
	ζ)	tui liter 1 zelah pawlh a kah hi a tha
	<u> </u>	Phytopthora	■ A chi ven that nan thiram 3g/kg seed
	l h	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	1		(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
French bean	Saming stage	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	V~ L_	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	Sowing stage	LUNGLEL	♣ A than a that theih nan nikhat danah
radish		6	tui pek thin tur ani.
	-	0	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani. Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		1 3 4	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	
			Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
			- pamina Kan tan ann.

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

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			+	Tui an in tur chhawpna tur tha /lian
			1	tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	7 1	<i>f</i> 3		an chaw eitur thlak sak thut loh tur
		()		ani.
	D	A GLASIE . L	-	
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	A .		1-6 ah F1 vaccine pek tur ani a, chuan
	/	7		a puitlingh chuan R ₂ B vaccine pek tur
)			ani.
)	5 6	4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	J J	7	-	coccidiostat
	MAMIT		-	
	/	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	3	(AIZAWL)	CH/	AMPAI
	Pond	3rd-4th weeks	4	Dil a leitha hman hian sangha chaw
	preparation	3		kan tih mai planktons insiam nan a
				tanpui thin.
	(Dil buatsaih)			
			-	Bawngek hring 10 tonnes/ha/year vel
))			dil ah hman thin a ni a; bawngek
		SERCHE	ш	kumkhat a kan mamawh zat
		S S S S S S S S S S S S S S S S S S S		hmunthum a then a hmunkhat hi dil
		V		buatsaih nan hman tur ani. A bak
				zawng hi tui boruak a zirin semdarh a
			J	hman thin tur ani.
			-	Single super phosphate hi dil hectare
		LUNGLEI		khat zel a zauah kg 250 ang a hman
	}			thin tur ani.
		C.	+	Leitha kan hman atang a karkhat
	\ \	a (~	7	hnuah tui rawng a tangin sangha chaw
	, and the second			inseam that leh thatloh a hriat theih a.
			1 1	Tui rawng eng hring deuh nghalh ah
				hian sangha chaw planktons te an
		1 1 3		¥ .
		(inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL		pawh 30-40 cm vel ani tur ani.
		SAIHA	4	\
				\
			1	J
		P A)—	- 1 -
		- N- /		7 P a g e

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SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

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*Wind Direction

GRAMIN KRISHI MAUSAM SEWA

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



District: Serchhip Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

	N 1	/	1		
Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	4	4	4	14	18
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	99	100
Min RH (%)	64	56	80	79	82
Wind Speed (KmpH)	2	0	2	2	2

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

N-E

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 105.48mm **Aizawl- 384.87mm** Saiha- 307.40 mm

E

(507.7mm)

Date of issue: 23rd June, 2017

N-E

Kolasib- 236.00mm (428.1mm)

N-E

Lawngtlai-291.20mm

Lunglei-326.00mm

(359.89mm)

(465.14mm)

Mamit-204.87mm (442.80mm) Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

(430.2mm)

(453.1mm)

Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-16°C

Maximum RH (%):98-99% Minimum RH (%):91-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3-4 km/hr

Rainfall: 12.9 mm

Weather forecast valid from 24th June, 2017 To 28th June, 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°C and 22-23°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 56-82%. Wind direction would be easterly to northeasterly to northerly and northerly with the wind speed of 0-2 km per hour. Mainly cloudy sky 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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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	•
FRUITS CROPS			
KHASI	Seedling	F 1	♣ According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	11001010	and temperature will be high. So soil
LIME	J	W 1	moisture should be maintained in the
TO A BY A BY A	(1 1	field. If very shortage of rainfall will be
BANANA	S		observed then use grass mulch or
			straw mulch near to the base of the
STAR FRUIT	Į		plant. 4 Medium to young seedling should be
SIAK FRUII	/ MAMIT)	support by bamboo stake.
	ζ	AIZAWL	In the citrus belt, trees can be planted
PLUM AND	\ \ \	SMEANE	at any time; however, spring is the best
PEACH	\ \	1	time for container grown plants.
),	1 A 7	♣ Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
	{ (h	~~\	should be set 6 to 10 feet apart. The
))		exact distance depends on the variety.
		SERCHH	
		V- (-)	the distance. Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		Luigreening,	and temperature will be high. So
	}	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	Lamon butterfly- Spray monocrotophos
		minor	@0.04% @1.2 ml/lt of water.
		P \	Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
			emergence.
		V 7	Citrus Canker- Apply bacterimycin
		V (@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower
	stage	SAIHA	atmiotile
	_	SAIRA	Clean near the base of the plant.
			According to forecast and past weather
			record, probability of rain will be less
		V V V	2 P a g e
		- 4	2 1 a g e

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		KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. # Medium to young seedling should be support by bamboo stake. # According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or
	AMAMIT	()	dimethoate 2 ml/lt of water.
COFFEE	Vegetative stage	SERCHH	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.
		Rubber	* 1
COFFEE	Vegetative stage	LAWNGTLAL	♣ According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be
		7	3 P a g e

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Dukhoz	MAMIT	KOLASIB	+ +	observed then use grass mulch or straw mulch near to the base of the plant. 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. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.
Rubber	Nursery stage	SERCHH	P 4 4	According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants. Make fire line to protect the young tree and seedlings. 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				****
Pre Kharif Rice	Transplanting stage	LAWNGTLAL	4	Water level shall be maintained for better transplant. Plough the field two to three times. According to forecast probability of rain will be moderate to high and

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				temperature will be less so run off and proper drainage should be maintained
				in the field.
		/	4	Transplant 2-3 seedlings in one place
) \ .	7		for avoid gap filling.
		KOLASIB	4	Spacing should be 20 cm row to row
		KULASIB	\ .	and 15 cm plant to plant.
)		-	Keep some seedlings in nursery or
	/	111		corner of the field for gap filling.
	7	Rice thrips and	+	According to forecast probability of rain will
	1	rice leaf mites		be moderate to high and temperature will be less and humidity will high so possibility
				of rice thrips attack will high.
		()	4	Spray Monocrotophos @ 1.5 ml/lt of water
	/ MAMIT	1		or Imidachloroprid 1.5 ml/lt of water for
	\ \{\chi_{\chi}\}	AIZAWL	C)	effective control.
Jhum Rice	Germination		4	According to forecast probability of rain
	stage	1		will be moderate to high and
	Ĭ,			temperature will be less so run off and
	1			proper drainage should be maintained
	\ <u>\</u>	~ /		in the field.
			4	Don't use split dose of fertilizer for top
		SERCHH		dressing.
		Rice stem borer	+	According to forecast probability of rain will
		and leaf folder		be moderate to high and temperature will
		7		be less and humidity will high so possibility of rice thrips attack will high.
		The state of the s	4	Spray Monocrotophos @ 1.5 ml/lt of water
		LUNGLEI		or Imidachloroprid 1.5 ml/lt of water for
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LUNGLE		effective control.
Maize	Vegetative		+	According to forecast probability of rain
(Jhum)	stage	0 5/~	-	will be moderate to high and
		() ()		temperature will be less so run off and
				proper drainage should be maintained
				in the field.
			4	Don't use split dose of fertilizer for top
		4		dressing.
VEGETABLE CR		1 1 400001, 11 517 52		
Cowpea	Vegetative	SAIHA	+	According to forecast probability of rain
	stage	(JAIIIA		will be moderate to high and
			_	temperature will be less so run off and
				proper drainage should be maintained
)—	5 LD 2 2 2
		34 (5 P a g e

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			in the field.
			♣ Don't use split dose of fertilizer for top
			dressing.
		/ \	♣ Trail semi hard wood stem to bower
) (<i>J</i> ?	structure
		1	Clean near the base of the plant.
Okra	Vegetative	KOLASIB	According to forecast probability of rain
	stage		will be moderate to high and
	7	~)	temperature will be less so run off and
)		proper drainage should be maintained
	}	5 4	in the field.
			♣ Don't use split dose of fertilizer for top
	{		dressing.
	/ MAMIT	1 7	♣ Trail semi hard wood stem to bower
	S .	AIZAWL	structure
			Clean near the base of the plant.
	h h	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.
Cincor and	Vegetative		
Ginger and turmeric			will be moderate to high and
turmeric	stage		temperature will be less so run off and
	Ş	SERCHH	proper drainage should be maintained
	i i	V~ (_	in the field.
	1		♣ Apply well decomposed FYM/ pig
		7	manure @ 10-20 t/ha along with
	ļ	"	$120:80:60$ kg N, P_2O_5 and K_2O/ha
		LUNCLE	incorporate with soil for better
)	LUNGLEI	development.
Colocasia	Vegetative		♣ According to forecast probability of rain
	stage	0	will be moderate to high and
		() (temperature will be less so run off and
			proper drainage should be maintained
			in the field.
		7	4 Apply well decomposed FYM/ pig
			manure @ 10-20 t/ha along with
		LAWNGTLAL	120:80:60 kg N, P_2O_5 and K_2O/ha
		SAIHA	incorporate with soil for better
ANIBEAT THOOPS	IDADV	7 OMINA	development.
ANIMAL HUSBEN	1		As the weather gots solder wave size?
Pig	All stages		As the weather gets colder, your pigs'

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		Porcine Reproductive Respiratory Syndrome (PRRS).	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. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAMmonths and yearly interval/6 month interval
Cattle	All age group	SERCHH	 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	LUNGLEI	 Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 week	 ♣ Ranikhet Disease- F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds. ♣ B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or coccidiostat

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Pond preparation Application of fertilizers/manure help in development of plankton which ser as natural feed for the fishes. ROLASIB ROLASIB ROLASIB RAW cowdung should be applied in the pond at the rate of 10 tonnes/ha/yea one third of the total dose should applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. After one week of application of the water. Yellowish gree colour of the water. Yellowish gree colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.	ICAR				
Pond preparation Application of fertilizers/manure help in development of plankton which ser as natural feed for the fishes. ROLASIB ROLASIB ROLASIB RAW cowdung should be applied in the pond at the rate of 10 tonnes/ha/yea one third of the total dose should applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. After one week of application of the water. Yellowish gree colour of the water. Yellowish gree colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.			4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
in development of plankton which ser as natural feed for the fishes. Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/yea One third of the total dose should applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. After one week of application observed in the pond depending on the colour of the water. Yellowish gree colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.	FISHERY	1			
pond at the rate of 10 tonnes/ha/yea One third of the total dose should tapplied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. After one week of application of planktons could the development of planktons could the development of the water. Yellowish gree colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.		1 1	3 rd -4 th weeks		
Alzawi Charles on week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish gree colour is an indicator of the gorplankton development. Transparency of the water needs to be maintained at 30-40 cm.		MAMIT	KOLASIB	*	pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses. Single super phosphate should also be applied at the rate of 250 kg/ha in the
LUNGLEI				CHA	After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be
O I D o c o			LUNGLEI		
			4 7) —	8 P a g e

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SAIHA

LAWNGTLA

CHAMPAL

9 | P a g e

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District: Serchhip Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/Mizo

		1			
Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	4	4	4	14	18
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	99	100
Min RH (%)	64	56	80	79	82
Wind Speed (KmpH)	2	0	2	2	2

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

N-E

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

*Wind Direction

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

Date of issue: 23rd June, 2017

N-E

(428.1mm)

N-E

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm) **Mamit-204.87mm** (442.80mm) Serchhip-411.72mm (259.62mm)

Weather summary of the past

three days

24th June- 28th June, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-16°C Maximum RH (%):98-99% Minimum RH (%):91-95% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 99-100% leh a hnjam laj berin 56-82% nj tur a rin niin. Thli hi darkar khatah 0-2 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: 12.9 mm

11 May 2017

Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal /Fisheries	Stage	Cultural practices/ Pest/ Diseases	Agricultural / Horticultural/ animal husbandry advisories
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	MAMIT		 Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PLUM AND PEACH		Gummosis, citrus canker, citrus greening and	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Dieback 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	LAWNGTLAI	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.
		T N. A	2 P a g e

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	\ \ \\	3	♣ A rah hmin tha lo ho chu nuai sawm
	1		hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	i i		Hmaih neih nuaih loh tur ani.
	/	~ }	♣ Sneg hmaih te lakkhawma paih vek tur
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	(ani.
	S		Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	/	4 A thlai vennan a rah tlai ho chu paih vek
	A MAMIT	1	tur ani.
	/	1	Hmun dam lutukah dah loh tur.
	}	AIZAWL	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
	ì		tak a hlawi tur ani.
	ì	1	♣ Chuan hei hian kah tur ani. Quinalphos 25
)	1 A Z	EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
)		In leh loa sawngbawln a a ro dan tur
	\ \ \ \ \		tawkah chuan: Arabica / robusta
		SEBOUL	
		SERCHH	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Correct Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		,
Rabi Maize	A chin hun	5~.	🖊 Vaimim chinna tur atan lei kan let
		0 / ~	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			A chi chu kan lei leh saah chuan kan
) ~ 3	
			dah ang.
		LAWNGTLAN	A chi chu Thiram @4 g/kg seed hian ak
			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
		2	t/ha leh $80:60:40$ kg N, P_2O_5 leh
		A A	3 P a g e

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ▲ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		 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		-	Tomata hilaah ahaan aila lah aa hi
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn
			ber ani.
			🖶 Thlai hna lam chi leh zikhlum lam
		/	chi reng reng enkawl nan Mancozeb
) (2	@ 2gm ah tui leter 1 pawlha kah
		T	
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum)	W)	tui pek thin tur ani.
	ζ) _1 (♣ Thlai bul vawn hnawn nana thlai bula
			hnim ring vawm khawm hi tui pek
	<u> </u>		zawhah dah tur ani.
	J		Thlai chhina hmun (nursery) hi hnim a
	A MAMIT	1 A	to loh nan Pendimethalin @ 3.5ml hi
	/ 100-0011	1	tui liter 1 zelah pawlh a kah hi a tha
	}	AIZAWL ∫ ⋈ ∫ ⋈ ∫ ⋈	CHA hle ani.
		Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	ì	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
),	bilgile	(Apron)/ kg seed hi a tha hle ani
	\		Hneh taka 1% Bordeaux chawhpawlh
	1 1		emaw 2 g captan emaw 3 copper
))		oxychloride a tui liter 1 hi 10-15 DAS a
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	~	♣ Tui pek a hnihnah hringa khuh tur ani
	1	<u></u>	a. than a that theih nan tui pek hma
)		in lei rin pan hmasak tur ani.
		\ \	4 A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish		6	tui pek thin tur ani.
	<u></u>	0 /~	🚺 Tui pek hnuah thlai bul vawn hnawn
	'	1 1	na tur siam tur ani.
			Likhlum lam chi ah chuan sik leh
			/ sa vangin a hnah ah thil dum a
) 4	rawn awm thina, hei hi natna
		V (tlanglawn ber ani.
		LAMBICTIALA	_
		LAWNGTLA	♣ Thlai hna lam chi leh zikhlum lam 1
		/ SAIHA	
			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.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAI	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			4	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	7 /	1		an chaw eitur thlak sak thut loh tur
		7		ani.
	Preventive	0-3 rd week	. 4	Ranikhet Disease- an pian atanga ni
	measures	II.	1	1-6 ah F1 vaccine pek tur ani a, chuan
	incasures	W.)		a puitlingh chuan R ₂ B vaccine pek tur
	ς	2 -1 (ani.
	<u> </u>		4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	J	WCCRS	_	coccidiostat
	MAMIT	A PAL YYY 1	-	
	/	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	₹	AIZAWL	CH/	AMPAI }
	Pond	3rd-4th weeks	4	Dil a leitha hman hian sangha chaw
	preparation	3		kan tih mai planktons insiam nan a
	(Dil buatsaih)			tanpui thin.
	(Dir buatsain)	1	-1	Bawngek hring 10 tonnes/ha/year vel
	{ (iii		_	dil ah hman thin a ni a; bawngek
	1 /			kumkhat a kan mamawh zat
		SERCHH	IP.	hmunthum a then a hmunkhat hi dil
		V- L.		buatsaih nan hman tur ani. A bak
				zawng hi tui boruak a zirin semdarh a
		_		hman thin tur ani.
			1	Single super phosphate hi dil hectare
			_	
		LUNGLEI	1 2	khat zel a zauah kg 250 ang a hman
	(thin tur ani.
		- 5m	1	Leitha kan hman atang a karkhat
	,	1	11	hnuah tui rawng a tangin sangha chaw
			Iλ	inseam that leh thatloh a hriat theih a.
) 7 C		Tui rawng eng hring deuh nghalh ah
			1 (hian sangha chaw planktons te an
		1		inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAJ		pawh 30-40 cm vel ani tur ani.
		/ SAIHA	l.	\
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		N. A		7 P a g e
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ICAR RESEARCH COMPLEX FOR NEH RECION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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SAIHA

LAWNGTLAL

CHAMPAL

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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: Aizawl Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

6.06.2017	27.06.2017	28.06.201
4	13	37

Date of issue: 23rd June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	6	6	4	13	37
Max Temp (°C)	28	28	28	27	25
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Mainly cloudy				
Max RH (%)	98	99	99	99	100
Min RH (%)	75	63	77	78	79
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	N-E	N-E	S-E	S

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- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Champhai- 105.48mm Saiha- 307.40 mm Aizawl- 384.87mm

(507.7mm)

Kolasib- 236.00mm (428.1mm)

(430.2mm)

(359.89mm)Lunglei-326.00mm

Mamit-204.87mm

Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past

three days

Maximum Tem. (°C):23-24°C Minimum Tem. (°C):13-15°C Maximum RH (%):99-100% Minimum RH (%):88-96% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-4 km/hr

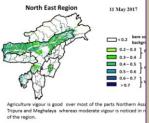
Rainfall: 08.5 mm

Weather forecast valid from 24th June, 2017 To 28th June, 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 13-14°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 63-79%. Wind direction would be easterly to northeasterly to southeasterly and southerly with the wind speed of 2 km per hour. Mainly cloudy will prevail during the next five days.

Weekly cumulative rainfall: 66.0 mm

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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	9	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	•
FRUITS CROPS			
KHASI	Seedling	F 1	♣ According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	11001010	and temperature will be high. So soil
LIME	J	W 1	moisture should be maintained in the
TO A BY A BY A	(1 1	field. If very shortage of rainfall will be
BANANA	S		observed then use grass mulch or
			straw mulch near to the base of the
STAR FRUIT	Į.		plant. 4 Medium to young seedling should be
SIAK FRUII	/ MAMIT)	support by bamboo stake.
	ζ	AIZAWL	In the citrus belt, trees can be planted
PLUM AND	\ \ \	SMEANE	at any time; however, spring is the best
PEACH	h h	1	time for container grown plants.
	λ.	1 A 7	♣ Standard-size trees should be spaced
	\		12 to 25 feet apart and dwarf trees
	\ <u>(</u>	~~\	should be set 6 to 10 feet apart. The
))		exact distance depends on the variety.
		SERCHH	
		V- (-)	the distance. Use split dose of fertilizer for normal
	\ \ \		growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
	\	Luigreening,	and temperature will be high. So
	}	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	Lamon butterfly- Spray monocrotophos
	7	minor	@0.04% @1.2 ml/lt of water.
		1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
			emergence.
		V 12 4	Citrus Canker- Apply bacterimycin
		V (@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower
	stage	SAIHA	atmiotile
	_	SAIRA	Clean near the base of the plant.
			According to forecast and past weather
			record, probability of rain will be less
		V V V	2 I P a g a
-			2 P a g e

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	MAMIT	KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Pineapple	Flowering stage	SERCHH	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR			
COFFEE	Vegetative stage	LAWNGTLAL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.
			3 Page
			5 1 a g e

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			4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
	7 /	1 3	4	Mulching should be done with dry
		7		grasses near the tree base to conserve
		KOLASIB		soil moisture during winter.
	(1.	\ <u>+</u>	Spray lantana camera leaf paste
)	(A)		around 3 kg/16 lt water which will give
	ζ) 1 (effective control against drought
	<i></i>	5		condition.
Rubber	Nursery stage		4	According to forecast and past weather
	₹			record, probability of rain will be less
	/ MAMIT	1 (and temperature will be high. So soil
	S .	AIZAWL	-	moisture should be maintained in the
	1	ALEATE !		field. If very shortage of rainfall will be
	ή) (observed then use grass mulch or
	\	\ \ \ \ \ \ 2		straw mulch near to the base of the
	1	1 1		plant.
)		-4	Medium to young seedling should be
))			support by bamboo stake.
		SERCHH	+	In the citrus belt, trees can be planted
	1	(~~)		at any time; however, spring is the best
		" 5-7		time for container grown plants.
)	-	+	Make fire line to protect the young tree
			_	and seedlings.
	(+	10-12 kg of well rotten organic manure
		LUNGLEI		and 225 gm rock phosphate should be
	}			apply at time of planting to each pit as
				basal dose application.
CEREALS AND I			-	***
Pre Kharif	Transplanting		+	Water level shall be maintained for
Rice	stage	4	-4-	better transplant.
				Plough the field two to three times.
		1 2	+	According to forecast probability of rain
				will be moderate to high and
		LAWNGTLAL		temperature will be less so run off and
		SAIHA		proper drainage should be maintained
		(_	in the field.
			~*	Transplant 2-3 seedlings in one place
				for avoid gap filling.
		M N	-	4 L D
		- T- (4 P a g e

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5 | P a g e

			4	Spacing should be 20 cm row to row
				and 15 cm plant to plant.
			4	Keep some seedlings in nursery or
		· /		corner of the field for gap filling.
) \	Rice thrips and	4	According to forecast probability of rain will
		rice leaf mites		be moderate to high and temperature will
		KOLASIB	١.	be less and humidity will high so possibility
	\ \frac{1}{2}		1	of rice thrips attack will high.
	/	W 5	-	Spray Monocrotophos @ 1.5 ml/lt of water
	>			or Imidachloroprid 1.5 ml/lt of water for effective control.
Thum Diag	Commination	5 4	_	
Jhum Rice	Germination		-	According to forecast probability of rain
	stage			will be moderate to high and
	TIMAM (1		temperature will be less so run off and
	(}		proper drainage should be maintained in the field.
	\	AIZAWL		Don't use split dose of fertilizer for top
	\		-	
		Rice stem borer	4	dressing. According to forecast probability of rain will
	\ \		_	be moderate to high and temperature will
)	and leaf folder	-	be less and humidity will high so possibility
	\ \			of rice thrips attack will high.
	()	_ SERCHH	4	Spray Monocrotophos @ 1.5 ml/lt of water
	-	3ERCHII		or Imidachloroprid 1.5 ml/lt of water for
		V L-		effective control.
Maize	Vegetat <mark>ive</mark>	<u></u>	+	According to forecast probability of rain
(Jhum)	stage	1	_	will be moderate to high and
	(temperature will be less so run off and
		LUNGLEI		proper drainage should be maintained
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			in the field.
	\ <u>\</u>	8	+	Don't use split dose of fertilizer for top
		A 7 %	-	dressing.
VEGETABLE CR			-	
Cowpea	Flowering to		+	According to forecast probability of rain
	fruiting stage			will be moderate to high and
		1 2		temperature will be less so run off and
				proper drainage should be maintained
		LAWNGTLAL		in the field.
		SAIHA	+	Don't use split dose of fertilizer for top
		SAINA		dressing.
			-	Trail semi hard wood stem to bower
				structure
		4		

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			4	Clean near the base of the plant.			
Okra	Flowering to		_	According to forecast probability of rain			
	fruiting stage			will be moderate to high and			
				temperature will be less so run off and			
	1 (J 2		proper drainage should be maintained			
				in the field.			
		KOLASIB	, 👍	Don't use split dose of fertilizer for top			
	1		74	dressing.			
	/	W >)	4	Trail semi hard wood stem to bower			
	5			structure			
)	5 4	4	Clean near the base of the plant.			
		Okra leafroller	4	Apply insecticide like imidacloprid 0.5 ml or			
	[phosolone 1.5 ml or acephate 1.0 g or			
	MAMIT			dimethoate 2 ml/lt of water.			
Ginger and	Vegetative	AIZAWL	- *	According to forecast probability of rain			
turmeric	stage	Alexine	100	will be moderate to high and			
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\)		temperature will be less so run off and			
	1	1 A Z		proper drainage should be maintained in the field.			
	1						
	1			- Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with			
))			120:80:60 kg N, P_2O_5 and K_2O/ha			
		SERCHH	IP	incorporate with soil for better			
)	V~ {		development.			
Colocasia	Vegetative		4	According to forecast probability of rain			
COlocusiu	stage	7		will be moderate to high and			
	stage	`		temperature will be less so run off and			
		LUNCLEI		proper drainage should be maintained			
)	LUNGLEI		in the field.			
		_	+	Apply well decomposed FYM/ pig			
	1	A 8~	4	manure @ 10-20 t/ha along with			
	1			120:80:60 kg N, P_2O_5 and K_2O/ha			
			1	incorporate with soil for better			
				development.			
	ANIMAL HUSBENDARY						
Pig	All stages	1	4.	As the weather gets colder, your pigs'			
		LAWNGTLAL		energy requirement will increase, as			
		SAIHA	_	they need more energy to keep warm.			
		(301110	-	Regularly monitor their level of 'fitness'			
			_	and increase their feed intake to maintain.			
				-mamam.			
			-	6 P a g e			
		-		Uliage			

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			Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Donoino	
	1 / /	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
	- (Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	(() ()	months and yearly interval/6 month
			interval
Cattle	All age group		♣ During either hot or heavy rainy
	A MAMIT	1	condition, animal are advised to keep
	1	}	under shade.
	}	AIZAWL	Vaccination is mandatory for the cattle
		1	prior to monsoon to protect from
		()	disease like Anthrax, Black Quarter,
	l,		Foot Mouth Disease, Duck Plague.
Poultry	Litter	1 1	Birds require adequate space, sufficient
	management		feed to meet their nutritional
	1 1 1		requirements and an adequate supply
		SERCHH	
		V-	♣ Good management and sanitation are
			the best ways to avoid infectious
		7	disease in poultry.
		'	Provide ample quantity of clean
		LUNGLEI	drinking water.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LUNGLEI	+ Avoid feeding of mouldy feed. Don't
		0.0 1.1 4.1	make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	measures	1	days of birth and R ₂ B vaccine for adult birds.
			1 2.
		444	B complex with antibodies
		4th weeks	Coccidiosis - Amprolium or
		4	coccidiostat
		4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY		SAIHA	
	Pond	3 rd -4 th weeks	♣ Application of fertilizers/manure helps
	preparation		in development of plankton which serve
	L-character.		as natural feed for the fishes.
	·		

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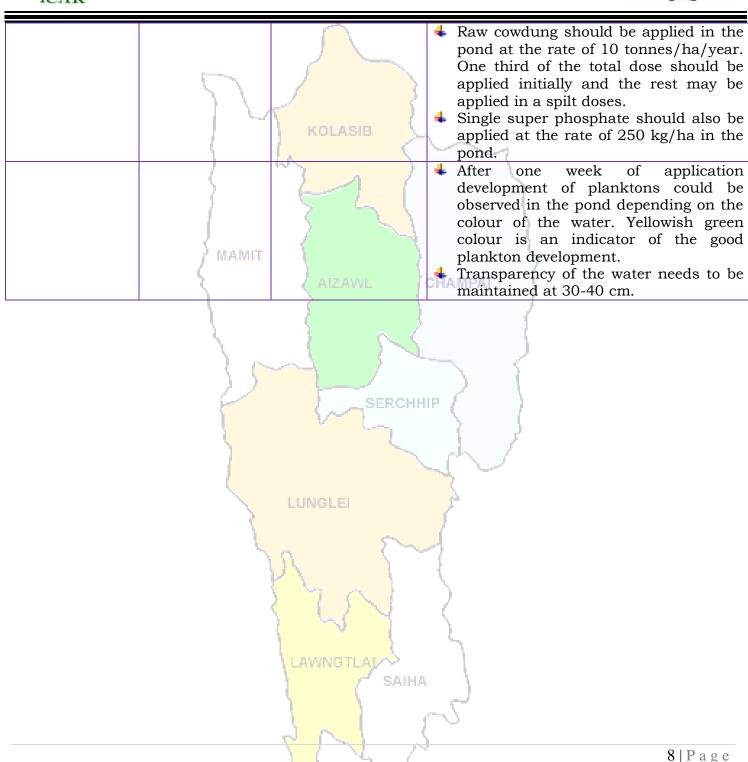


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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 24 June – 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/Mizo

Date of issue: 23rd June, 2017

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Min RH (%)	75	63	77	78	79
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*Wind Direction	E	N-E	N-E	S-E	S

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- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

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Minimum Tem. (°C):13-15°C Maximum RH (%):99-100% Minimum RH (%):88-96%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-4 km/hr

Rainfall: 08.5 mm

24th June- 28th June, 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 13-14°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 63-79% 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: 66.0mm

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)



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	}	5	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		}	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	OP		
COFFEE	All stages	LAWNGTLAI	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.
		4 1)
		4	2 P a g e

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			Harvasting Stage
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	()	7	♣ A rah hmin tha lo ho chu nuai sawm
) \	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	{	lf. (→ Hmaih neih nuaih loh tur ani.
)	(A)	♣ Sneg hmaih te lakkhawma paih vek tur
	() 1	ani.
	(4 Seng bang zawng zawng chu uluka taka
	(paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
			tur ani.
	/ MAMIT	1	👃 Hmun dam lutukah dah loh tur.
	5	AIZAWL	+ Boruak tha taka a hmuh theih nan leh a
)	\	rawn chawr no theih nan thlai chu uluk
	\ \	5	tak a hlawi tur ani.
	\		Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
	\	1 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	In leh loa sawngbawln a a ro dan tur
	1 / /		tawkah chuan: Arabica / robusta
		SERCHH	
			robusta cherry 11.0 %.
	l l	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, Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon) an kan chiidizawii tur am.
Rabi Maize			Voiming chings true stop lei Iron let
Rabi Maize	A chin hun	a (~	Vaimim chinna tur atan lei kan let
		135	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		V (2 3	4 A chi chu kan lei leh saah chuan kan
		(V	dah ang.
			│ ♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAJ	sawngbawl hmasa anga.
		J [™] 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
			t/ha leh 80:60:40 kg N, P_2O_5 leh
		7	
		1	3 P a g e

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		 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		-	Tomoto hilrah ahuan aila lah aa hi
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn ber ani.
			Thlai hna lam chi leh zikhlum lam
	1	3	chi reng reng enkawl nan Mancozeb
		(@ 2gm ah tui leter 1 pawlha kah
Onion and	N	KOLASIB	tur ani. A than a that theih nan nikhat danah
Onion and capsicum	Nursery stage	Poly house	tui pek thin tur ani.
capsicum	(13 A /	♣ Thlai bul vawn hnawn nana thlai bula
	<i>f</i>		hnim ring vawm khawm hi tui pek
			zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a
			to loh nan Pendimethalin @ 3.5ml hi
	/ MAMIT	\ \ \ \ \ \	tui liter 1 zelah pawlh a kah hi a tha
	3,	AIZAWL	CHAIhle ani.
	\ \	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	\	blight	(Apron)/ kg seed hi a tha hle ani
	\	()	Hneh taka 1% Bordeaux chawhpawlh
	\ \ \	~) /	emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
		егрени	pek hi a tha hle ani.
French bean	Sowing stage	~ J	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
0 1	0 :	LUNGLEI	tur ani.
Carrot and radish	Sowing stage		A than a that theih nan nikhat danah tui pek thin tur ani.
iauisii		0 8~	Tui pek hnuah thlai bul vawn hnawn
	'		na tur siam tur ani.
			₹ Zikhlum lam chi ah chuan sik leh
		$\langle C \rangle A$	sa vangin a hnah ah thil dum a
		7	rawn awm thina, hei hi natna tlanglawn ber ani.
		LAWNGTLAL	Thlai hna lam chi leh zikhlum lam
		SAIHA	
			Mancozeb @ 2gm ah tui leter 1
			nawlha 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.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAI SAIHA	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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	1			
			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3 \	2		an chaw eitur thlak sak thut loh tur
		N		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	()	1	1-6 ah F1 vaccine pek tur ani a, chuan
	11104154105	WS		a puitlingh chuan R ₂ B vaccine pek tur
	5			ani.
	S		4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	J			coccidiostat
	MAMIT	4-5 th Weeks	-	
		4-5th weeks		Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL	CH/	AMPAI
	Pond	3 rd -4 th weeks	+	Dil a leitha hman hian sangha chaw
	preparation	3		kan tih mai planktons insiam nan a
	(Dil buatsaih)	1 2		tanpui thin.
	(211 244 244 244 244 244 244 244 244 244	1	4	Bawngek hring 10 tonnes/ha/year vel
	{ (_	dil ah hman thin a ni a; bawngek
	1/			kumkhat a kan mamawh zat
		SERCHE	IIP	hmunthum a then a hmunkhat hi dil
		V- L.		buatsaih nan hman tur ani. A bak
				zawng hi tui boruak a zirin semdarh a
			J	hman thin tur ani.
			1	
			_	Single super phosphate hi dil hectare
	1	LUNGLEI	/	khat zel a zauah kg 250 ang a hman thin tur ani.
	(
		- 5~	1	Leitha kan hman atang a karkhat
	,	11	1 (hnuah tui rawng a tangin sangha chaw
				inseam that leh thatloh a hriat theih a.
		7 0		Tui rawng eng hring deuh nghalh ah
			1 (hian sangha chaw planktons te an
		1 2		inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL	1	pawh 30-40 cm vel ani tur ani.
		→ SAIHA	i.	\
			4	\
			ŧ ì	-
		7	1	710000
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		7 P a g e

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SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

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 \mathbf{E}

District: Champhai Period: 24 June – 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

	N 1	1	4		
Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	7	9	10	18	43
Max Temp (°C)	31	30	31	31	32
Min Temp (°C)	23	23	23	22	22
Cloud Coverage	Mainly cloudy				
Max RH (%)	98	98	98	97	98
Min RH (%)	75	66	80	79	79
Wind Speed (KmpH)	2	2	2	2	2
			_	_	=

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- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Kolasib- 236.00

(430.2mm) (359.89mm)

S-E

07.40 mm Kolasib- 236.00mm (507.7mm) (428.1mm)

Date of issue: 23rd June, 2017

Lawngtlai-291.20mm Lunglei-326.00mm Mamit-204.87mm Serchhip-411.72mm (453.1mm) (465.14mm) (442.80mm) (259.62mm)

Weather summary of the past three days

Weather forecast valid from 24th June, 2017 To 28th June, 2017.

N-E

Maximum Tem. (°C):22-26°C
Minimum Tem. (°C):13-15°C
Maximum RH (%):97-100%
Minimum RH (%):82-95%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind Speed: 2-4 km/hr

Rainfall: 10.4 mm

*Wind Direction

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 30-32°C and 22-23°C. Maximum relative humidity is expected in the range of 97-98% and minimum may from 66-80%. Wind direction would be southeasterly to easterly to northeasterly to southeasterly and easterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 87.0 mm

NDVI for Mizoram

North East Region

11 May 2017

12 bere soil / w background

0.2 - 0.3 } Motore

0.3 - 0.4 }

0.4 - 0.5 } Good

0.5 - 0.6 } Good

0.5 - 0.7 } Wery G

Agriculture vigour is good over most of the parts Northern Assem Tripus and Meghalwa whereas moderate vigour is noticed in rest of the region.

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	Seedling	F 1	♣ According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	11001010	and temperature will be high. So soil
LIME	J	W 1	moisture should be maintained in the
DANAMA	(3 1	field. If very shortage of rainfall will be
BANANA	S		observed then use grass mulch or
			straw mulch near to the base of the
STAR FRUIT	Į.		plant. 4 Medium to young seedling should be
SIAK FRUII	/ MAMIT)	support by bamboo stake.
	ζ	AIZAWL	In the citrus belt, trees can be planted
PLUM AND	\ \ \	SMEANE	at any time; however, spring is the best
PEACH	\ \	1	time for container grown plants.
),	1 A 7	♣ Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
	{ (~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	should be set 6 to 10 feet apart. The
))		exact distance depends on the variety.
		SERCHH	
		V- (-)	the distance. Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		Luigreening,	and temperature will be high. So
	}	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	Lamon butterfly- Spray monocrotophos
		minor	@0.04% @1.2 ml/lt of water.
			Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
			emergence.
		V 12 4	Citrus Canker- Apply bacterimycin
		V (@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower
	stage	SAIHA	atmiotile
	_	SAIRA	Clean near the base of the plant.
			According to forecast and past weather
			record, probability of rain will be less
		V V V	2 P a g e
		7	2 1 a g e

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	MAMIT	KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Pineapple	Flowering stage	SERCHH	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR			
COFFEE	Vegetative stage	LAWNGTLAI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.
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		74	3 1 a g e

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			4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
				SSP @ 1.5 g per 200 lt of water 15 days
				interval.
	1 /	J 2	4	Mulching should be done with dry
	\ \\	7		grasses near the tree base to conserve
		KOLASIB 📐		soil moisture during winter.
	{	l ()	` -	Spray lantana camera leaf paste
)	(A)		around 3 kg/16 lt water which will give
	5	2 1		effective control against drought
	∫	5 4 1		condition.
Rubber	Nursery stage		4	According to forecast and past weather
	1 7			record, probability of rain will be less
	/ MAMIT	1)		and temperature will be high. So soil
	ζ	AIZAWL	-	moisture should be maintained in the
	\ \ \	AIZAVIL	nat I	field. If very shortage of rainfall will be
	\	5 1		observed then use grass mulch or
	\			straw mulch near to the base of the
	\			plant.
)		-+	Medium to young seedling should be
))			support by bamboo stake.
		SERCHH	r +	In the citrus belt, trees can be planted
		\~		at any time; however, spring is the best
				time for container grown plants.
)	_	+	Make fire line to protect the young tree
		`		and seedlings.
			*	10-12 kg of well rotten organic manure
	\	LUNGLEI		and 225 gm rock phosphate should be
	(apply at time of planting to each pit as
CEREALS AND I	DILL CE CEOPS			basal dose application.
Pre Kharif	Transplanting	11	4	Water level shall be maintained for
Rice	stage		_	better transplant.
Mice	stage		4	Plough the field two to three times.
		1 6 9	l .	According to forecast probability of rain
		V		will be moderate to high and
				temperature will be less so run off and
		LAWNGTLA		proper drainage should be maintained
		SAIHA		in the field.
			4	Transplant 2-3 seedlings in one place
				for avoid gap filling.
		7 7 3		
		V4 /		4 P a g e

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			♣ Spacing should be 20 cm row to row
			and 15 cm plant to plant.
			Keep some seedlings in nursery of corner of the field for gap filling.
	1	Pice thring and	♣ According to forecast probability of rain wi
		Rice thrips and	be moderate to high and temperature wi
		rice leaf mites	be less and humidity will high so possibilit
	(of rice thrips attack will high.
)	W)	♣ Spray Monocrotophos @ 1.5 ml/lt of wate
	(or Imidachloroprid 1.5 ml/lt of water fo
			effective control.
Jhum Rice	Germination		According to forecast probability of rai
	stage		will be moderate to high an
	MAMIT ()	temperature will be less so run off an
	(proper drainage should be maintaine
	\ \ \	(AIZAWL)	in the field.
	\		Don't use split dose of fertilizer for to
		Rice stem borer	dressing. According to forecast probability of rain wi
	\ \		be moderate to high and temperature wi
)	and leaf folder	be less and humidity will high so possibility
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		of rice thrips attack will high.
		_ SERCHH	Spray Monocrotophos @ 1.5 ml/lt of water
		SERCINI	or Imidachloroprid 1.5 ml/lt of water fo
		· L	effective control.
Maize	Vegetati <mark>ve</mark>	-	According to forecast probability of rai
(Jhum)	stage	`	will be moderate to high an temperature will be less so run off an
			proper drainage should be maintaine
	\	LUNGLEI	in the field.
	(Don't use split dose of fertilizer for to
		5~	dressing.
VEGETABLE CR	OP		/0.
Cowpea	Vegetative		4 According to forecast probability of rai
	stage		will be moderate to high an
		1 4	temperature will be less so run off an
		V (proper drainage should be maintaine
		LAMBICTIALA	in the field.
		LAWNGTLAN	Don't use split dose of fertilizer for to
		SAIHA	diessing.
			Trail semi hard wood stem to bowe
			structure
		4	7.17
		4	5 P a g e

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			4	Clean near the base of the plant.
Okra	Vegetative		_	According to forecast probability of rain
	stage			will be moderate to high and
		\ \ \ \ \ \ \ \		temperature will be less so run off and
	3 \	J ?		proper drainage should be maintained
				in the field.
		KOLASIB	. 4	Don't use split dose of fertilizer for top
	\		1	dressing.
	/		4	Trail semi hard wood stem to bower
)			structure
	}	5 6		Clean near the base of the plant.
		Okra leafroller	4	Apply insecticide like imidacloprid 0.5 ml or
	- {			phosolone 1.5 ml or acephate 1.0 g or
	/ MAMIT			dimethoate 2 ml/lt of water.
Ginger and	Vegetative	AIZAWL	ei*	According to forecast probability of rain
turmeric	stage	Aleante	100	will be moderate to high and
	h h)		temperature will be less so run off and
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	N 4 /		proper drainage should be maintained
	7			in the field.
	1		-	Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with
))			, ,
		SERCHH	IP.	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil for better
	1			development.
Colocasia	Vegetative		4	According to forecast probability of rain
Colocasia	stage	7		will be moderate to high and
	stage	`		temperature will be less so run off and
				proper drainage should be maintained
		LUNGLEI		in the field.
	(_	4	Apply well decomposed FYM/ pig
	\	S~		manure @ 10-20 t/ha along with
	,	(A)	H	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
		$P \setminus A = A = A$	14	incorporate with soil for better
				development.
ANIMAL HUSBEN	IDARY			
Pig	All stages	1	4	As the weather gets colder, your pigs'
		LAWNGTLAL		energy requirement will increase, as
		SAIHA		they need more energy to keep warm.
		(SAIRA	*	Regularly monitor their level of 'fitness'
			_	and increase their feed intake to
			1	maintain.
		7 7)—	ZID a ~ a
		- No. 1		6 P a g e

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			Fish oils are excellent for providing slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
) \ ,	Reproductive	
		Respiratory	
	Į .	Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		♣ During either hot or heavy rainy
	MAMIT (condition, animal are advised to keep
	Ι (under shade.
	\ \ \	AIZAWL	Vaccination is mandatory for the cattle prior to monsoon to protect from
	\	5	disease like Anthrax, Black Quarter,
	λ.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Foot Mouth Disease, Duck Plague.
Poultry	Litter		Birds require adequate space, sufficient
•	management	~	feed to meet their nutritional
			requirements and an adequate supply
	-	SERCHH	
		V Ca	4 Good management and sanitation are
		<u></u>	the best ways to avoid infectious disease in poultry.
		1	Provide ample quantity of clean
			drinking water.
		LUNGLEI	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)
	measures	A I	days of birth and R_2B vaccine for adult
			birds.
		4th - a tha	B complex with antibodies
		4th weeks	Coccidiosis - Amprolium or
		4-5th Weeks	coccidiostat Calcium tonic fortified with B ₁₂
DIOLIDEY		LAWNGTLAL	* Calcium tome for timed with D_{12}
FISHERY		SAIHA	
	Pond	3 rd -4 th weeks	4 Application of fertilizers/manure helps
	preparation		in development of plankton which serve
			as natural feed for the fishes.
		1 V 1	7 Page

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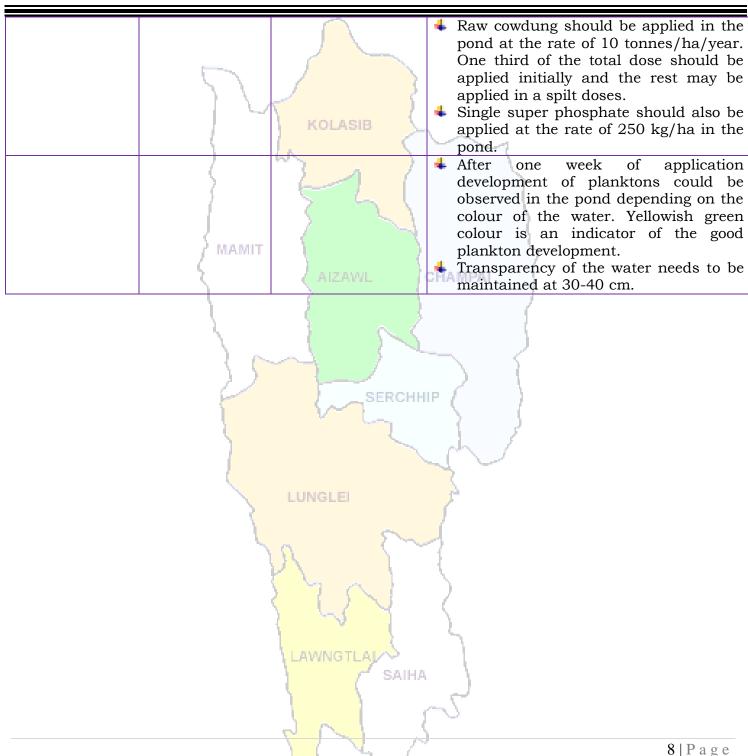


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SAIHA

LAWNGTLA

CHAMPAL

9 | P a g e

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District: Champhai Period: 24 June – 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/Mizo

	The state of the s	1	· L		
Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	7	9	10	18	43
Max Temp (°C)	31	30	31	31	32
Min Temp (°C)	23	23	23	22	22
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	98	98	97	98
Min RH (%)	75	66	80	79	79
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	E	N-E	S-E	E

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

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm) Mamit-204.87mm (428.1mm)

Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):22-26°C Minimum Tem. (°C):13-15°C Maximum RH (%):97-100% Minimum RH (%):82-95%

Wind Direction: Southeasterly
Cloud cover: Mainly cloudy

Wind Speed: 2-4 km/hr

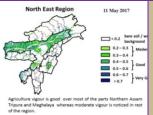
Rainfall: 10.4 mm

24th June- 28th June, 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 30-32°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 97-98% leh a hniam lai berin 66-80% 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: 87.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

Date of issue: 23rd June, 2017

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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	}	55	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
	A MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PLUM AND PEACH			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	OP		
COFFEE	All stages	LAWNGTLAI	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.
		4)
			2 P a g e

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	\ \ \\	3	♣ A rah hmin tha lo ho chu nuai sawm
	1		hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	i i		Hmaih neih nuaih loh tur ani.
	/	~ }	♣ Sneg hmaih te lakkhawma paih vek tur
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	(ani.
	S		Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J	/	4 A thlai vennan a rah tlai ho chu paih vek
	A MAMIT	1	tur ani.
	/	1	Hmun dam lutukah dah loh tur.
	}	AIZAWL	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
	ì		tak a hlawi tur ani.
	ì	1	♣ Chuan hei hian kah tur ani. Quinalphos 25
)	1 A Z	EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
)		In leh loa sawngbawln a a ro dan tur
	\ \ \ \ \		tawkah chuan: Arabica / robusta
		SEBOUL	
		SERCHH	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Correct Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		,
Rabi Maize	A chin hun	5~.	🖊 Vaimim chinna tur atan lei kan let
		0 / ~	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			A chi chu kan lei leh saah chuan kan
) ~ 3	
			dah ang.
		LAWNGTLAN	A chi chu Thiram @4 g/kg seed hian ak
			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
		2	t/ha leh $80:60:40$ kg N, P_2O_5 leh
		A A	3 P a g e

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ▲ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		 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		-	Tomata hilaah ahaan aila lah aa hi
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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			awm thin a , hei hi natna tlanglawn
			ber ani.
			🖶 Thlai hna lam chi leh zikhlum lam
		/	chi reng reng enkawl nan Mancozeb
) (2	@ 2gm ah tui leter 1 pawlha kah
		T	
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum)	W)	tui pek thin tur ani.
	ζ) _1 (♣ Thlai bul vawn hnawn nana thlai bula
			hnim ring vawm khawm hi tui pek
	<u> </u>		zawhah dah tur ani.
	J		Thlai chhina hmun (nursery) hi hnim a
	A MAMIT	1 A	to loh nan Pendimethalin @ 3.5ml hi
	/ 100-0011	1	tui liter 1 zelah pawlh a kah hi a tha
	}	AIZAWL ∫ ⋈ ∫ ⋈ ଠ ⋈ ଠ ⋈ ଠ ⋈ ଠ ⋈	CHA hle ani.
		Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	ì	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
),	bilgile	(Apron)/ kg seed hi a tha hle ani
	\		Hneh taka 1% Bordeaux chawhpawlh
	1 1		emaw 2 g captan emaw 3 copper
))		oxychloride a tui liter 1 hi 10-15 DAS a
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	~	♣ Tui pek a hnihnah hringa khuh tur ani
	1	<u></u>	a. than a that theih nan tui pek hma
)		in lei rin pan hmasak tur ani.
		\ \	4 A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish		6	tui pek thin tur ani.
	<u></u>	0 /~	🚺 Tui pek hnuah thlai bul vawn hnawn
	'	1 1	na tur siam tur ani.
			Likhlum lam chi ah chuan sik leh
			/ sa vangin a hnah ah thil dum a
) 4	rawn awm thina, hei hi natna
		V (tlanglawn ber ani.
		LAMBICTIALA	_
		LAWNGTLA	♣ Thlai hna lam chi leh zikhlum lam 1
		/ SAIHA	
			Mancozeb @ 2gm ah tui leter 1
			👈 pawlha kah tur ani.

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ANIMAL HUSBEN	IDARY		
Pig	All stages	Porcine Reproductive	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 1. Vawknote emaw vawk lak hran.
	MAMIT	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI SAIHA	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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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani. Ranikhet Disease- an pian atanga na 1-6 ah F1 vaccine pek tur ani a, chuana a puitlingh chuan R2B vaccine pek tu ani. B complex with antibodies Coccidiosis- Amprolium of coccidiostat Coccidiostat Coccidiostat Pond preparation (Dil buatsaih) Pond preparation (Dil buatsaih) Pond preparation (Dil buatsaih)	5		tha tak leh tui thianghlim tak pek tu ani.
Preventive measures O-3 rd week measures Preventive measures Ath weeks Prod preparation (Dil buatsaih) Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani. Ranikhet Disease- an pian atanga na 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R2B vaccine pek tu ani. Coccidiosis- Amprolium of coccidiostat Champal Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.	5		
Preventive measures O-3 rd week measures Ranikhet Disease- an pian atanga mandam and puttlingh chuan R2B vaccine pek turania, chuan a puttlingh chuan R2B vaccine pek turania. B complex with antibodies Coccidiosis- Amprolium of coccidiostat Calcium tonic fortified with B12 Pond preparation (Dil buatsaih) Ard-4th weeks kan tih mai planktons insiam nandam tanpui thin.		/	Land Amuar/thing pek loh tur ani a
Preventive measures 0-3 rd week 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R2B vaccine pek tur ani. B complex with antibodies 4th weeks 4-5th Weeks Calcium tonic fortified with B12 FISHERY Pond preparation (Dil buatsaih) Anii. Ranikhet Disease- an pian atanga in 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R2B vaccine pek tur ani. Coccidiosis- Coccidiosis- Coccidiosis- Coccidiositat Dil a leitha hman hian sangha char kan tih mai planktons insiam nan a tanpui thin.) \		
Preventive measures Cocidiosis		/ {	
Tishery The properties of the preparation (Dil buatsaih) 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani. 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani. 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tur ani. 4 Coccidiosis- Amprolium o coccidiostat 4 Calcium tonic fortified with B ₁₂ CHAMPAI Dil a leitha hman hian sangha chav kan tih mai planktons insiam nan a tanpui thin.		KOLASIR .	
a puitlingh chuan R₂B vaccine pek tu ani. B complex with antibodies 4th weeks Coccidiosis- coccidiostat 4-5th Weeks Calcium tonic fortified with B₁₂ FISHERY Pond preparation (Dil buatsaih) Ath weeks Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan atanpui thin.		0-3 rd week	
ani. B complex with antibodies 4th weeks Coccidiosis- coccidiostat 4-5th Weeks Claim tonic fortified with B₁₂ FISHERY Pond preparation (Dil buatsaih) Ath weeks Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.	measures	1	
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## Weeks	(
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FISHERY Pond preparation (Dil buatsaih) 4-5 th Weeks Claim tonic fortified with B ₁₂ CHAMPAI Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.	J	WCCRS	1
Pond preparation (Dil buatsaih) AIZAWL CHAMPAI CHAMPAI Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.	TIMAM (4-5th Weeks	
Pond preparation (Dil buatsaih) 3rd-4th weeks kan tih mai planktons insiam nan atanpui thin.	DICHEDY	A LZ BANK	
preparation (Dil buatsaih) kan tih mai planktons insiam nan a tanpui thin.		MIZAVIL	
(Dil buatsaih) tanpui thin.		3 rd -4 th weeks	
(Dil buttouil)		- 1 ~ 7	_
Downwalt hains 10 towns /hs/sans	(Dil buatsaih)		1
	1	~	Bawngek hring 10 tonnes/ha/year v
dil ah hman thin a ni a; bawngel kumkhat a kan mamawh za			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SERCHH P kumkhat a kan mamawh za		SERCHE	
buatsaih nan hman tur ani. A bal		V- La	
zawng hi tui boruak a zirin semdarh			
hman thin tur ani.		7	
Single super phosphate hi dil hectar			Single super phosphate hi dil hectar
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│	1	2	
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Tui rawng eng hring deuh nghalh al			
hian sangha chaw planktons te ai inseam tha ang a ngaih ani.		(() \	
Tui nut zawng tehna transparence		V	
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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: Kolasib Period: 24 June - 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

Date of issue: 23rd June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	6	6	4	10	30
Max Temp (°C)	32	31	32	31	30
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	99	99	100
Min RH (%)	77	65	75	76	76
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	N-E	E	S-E	S-W

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- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Ke

07.40 mm Kolasib- 236.00mm (507.7mm) (428.1mm)

(430.2mm)

(359.89mm) Lunglei-326.00mm

Mamit-204.87mm Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):27-28°C

Minimum Tem. (°C):21-22°C Maximum RH (%):93-99%

Minimum RH (%):78-92%

Wind Direction: Southeasterly

Cloud cover: Mainly cloudy

Wind speed: 2 km/hr

Rainfall: 10.3 mm

Weather forecast valid from 24th June, 2017 To 28th June, 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 30-32°C and 22-23°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 65-77%. Wind direction would be southeasterly to northeasterly to easterly to southeasterly and southwesterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 56.0 mm

NDVI for Mizoram

North East Region

11 May 2017

10.2 bars still / se background

11 May 2017

10.2 -0.3 | bars still / se background

10.2 -0.3 | background

10.3 -0.4 -0.5 | background

10.4 -0.5 | background

10.4 -0.5 | background

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10.

Moderately wet mildly dry/mildly wet conditions

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Animal /Fisheries FRUITS CROPS KHASI MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH PEACH FILLIM AND PEACH FILLIM AND PEACH MAMIT FILLIM AND PEACH MAMIT FILLIM AND PEACH MAMIT FILLIM AND PEACH MAMIT MAM	less soil the ll be or the ll be need best
FRUITS CROPS KHASI MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH MAMIT SERCHHF Seedling transplanting stage LIME **According to forecast and past were record, probability of rain will be and temperature will be high. So moisture should be maintained in field. If very shortage of rainfall wire observed then use grass mulch straw mulch near to the base of plant. Medium to young seedling should support by bamboo stake. In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. Standard-size trees should be sp 12 to 25 feet apart and dwarf as should be set 6 to 10 feet apart. exact distance depends on the var The bigger the fruit, the far the distance. **Use split dose of fertilizer for no growth and development.**	less soil the ll be or the ll be need best
KHASI MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH SERCHHIF SERCHHIF KOLASIB **According to forecast and past wear record, probability of rain will be and temperature will be high. So moisture should be maintained in field. If very shortage of rainfall wi observed then use grass mulch straw mulch near to the base of plant. **Medium to young seedling should support by bamboo stake. **In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. **Standard-size trees should be sp 12 to 25 feet apart and dwarf is should be set 6 to 10 feet apart. **The bigger the fruit, the fait the distance. **Use split dose of fertilizer for no growth and development.	less soil the ll be or the ll be need best
MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH PLUM AND PEACH MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT ROLASIB RECORD, probability of rain will be and temperature will be high. So moisture should be maintained in field. If very shortage of rainfall wing observed then use grass mulch straw mulch near to the base of plant. Medium to young seedling should support by bamboo stake. In the citrus belt, trees can be plant at any time; however, spring is the time for container grown plants. Standard-size trees should be sp 12 to 25 feet apart and dwarf should be set 6 to 10 feet apart. exact distance depends on the var the distance. We split dose of fertilizer for no growth and development.	less soil the ll be or the ll be need best
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AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH PEACH SERCHH F SERCHH F Want Stage and temperature will be high. So moisture should be maintained in field. If very shortage of rainfall wi observed then use grass mulch straw mulch near to the base of plant. Medium to young seedling should support by bamboo stake. In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. Standard-size trees should be sp 12 to 25 feet apart and dwarf should be set 6 to 10 feet apart. exact distance depends on the var The bigger the fruit, the far the distance. Use split dose of fertilizer for no growth and development.	the ll be the lbest
BANANA STAR FRUIT PLUM AND PEACH MAMIT M	ll be or the ll be nted best
BANANA STAR FRUIT PLUM AND PEACH PEACH SERCHHIF Field. If very shortage of rainfall wi observed then use grass mulch straw mulch near to the base of plant. Medium to young seedling should support by bamboo stake. In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. Standard-size trees should be sp 12 to 25 feet apart and dwarf should be set 6 to 10 feet apart. exact distance depends on the var The bigger the fruit, the far the distance. Use split dose of fertilizer for no growth and development.	or the d be nted best
STAR FRUIT PLUM AND PEACH PEACH MAMIT Medium to young seedling should support by bamboo stake. In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. Standard-size trees should be sp 12 to 25 feet apart and dwarf is should be set 6 to 10 feet apart. exact distance depends on the var The bigger the fruit, the far the distance. Use split dose of fertilizer for no growth and development.	the d be nted best
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PLUM AND PEACH **Medium to young seedling should support by bamboo stake. In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. **Standard-size trees should be sp 12 to 25 feet apart and dwarf should be set 6 to 10 feet apart. exact distance depends on the var The bigger the fruit, the far the distance. **Use split dose of fertilizer for no growth and development.	nted best
PLUM AND PEACH Support by bamboo stake. In the citrus belt, trees can be pla at any time; however, spring is the time for container grown plants. Standard-size trees should be sp 12 to 25 feet apart and dwarf should be set 6 to 10 feet apart. exact distance depends on the var the distance. SERCHH F bigger the fruit, the faithe distance. Use split dose of fertilizer for no growth and development.	nted best
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the distance. Use split dose of fertilizer for no growth and development.	
the distance. Use split dose of fertilizer for no growth and development.	ther
growth and development.	
	mal
Company of the Association to force the contract of the contra	
Gummosis, citrus According to forecast and past wea	
Canker, Citrus record, probability of rain will be	
Luigreening, and temperature will be high.	So
Dieback, Lamon following pest problem will be high butterfly and leaf Lamon butterfly- Spray monocroto	nhos
minor and lear Lamon butterny- Spray monocroto	hii02
Leaf minor- Spray confidor 0.05%	(0.5
	lush
emergence.	
↓ Citrus Canker- Apply bacterim	ycin
@0.6 g/lt of water.	
Passion Fruit Vegetative	ower
stage structure	
│	
According to forecast and past wea	_
record, probability of rain will be	

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			and temperature will be high. So soil moisture should be maintained in the
			field. If very shortage of rainfall will be
			observed then use grass mulch or
) (J ?	straw mulch near to the base of the
			plant.
		KOLASIB	♣ Medium to young seedling should be
	\ \frac{1}{2}		support by bamboo stake.
	/	Aphid	♣ According to forecast and past weather
)		record, probability of rain will be less
	}		and temperature will be high. So apply
			insecticide like imidacloprid 0.5 ml or
	│		phosolone 1.5 ml or acephate 1.0 g or
	/ MAMIT	1	dimethoate 2 ml/lt of water.
Pineapple	Flowering	AIZAWL	Apply flowering inducing chemical
	stage	7.112.112	(Ethrel 10 PPM+2% urea+0.04%
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\)	Sodium Carbonate) should be applied
).	1 \ \ \ \ \ \ Z	in the heart of the plant. In evening and
	1		only when plants have at least 32
	1 1		leaves.
))		The flowering emergence will come out
		SERCHH	after 55-60 days after chemical
	ì		spraying.
	(According to forecast probability of rain
			will be moderate to high and
		`	temperature will be less so run off and
			proper drainage should be maintained in the field.
		LUNGLEI	Remove all unwanted leaves, branches
	(and weed near to the plant.
PLANTATION CR	POP	-	and weed near to the plant.
COFFEE	Vegetative	133	♣ According to forecast probability of rain
COFFEE			will be moderate to high and
	stage		temperature will be less so run off and
		7 6	proper drainage should be maintained
		V .	in the field.
		L AMAZETT AL A	# Medium to young seedling should be
		LAWNGTLAN	support by hamboo stake
		SAIHA	♣ Foliar application of Mepiquat chloride
			@ 1000 PPM concentration or 0.75%
			SSP @ 1.5 g per 200 lt of water 15 days
	•	P C	

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4 | P a g e

				interval.
			4	Mulching should be done with dry
				grasses near the tree base to conserve
				soil moisture during winter.
	7 1	J 3	4	The young fruit plant must be irrigated
		()		at weekly interval for better
		KOLASIB		establishment.
	(1.	\ <u>+</u>	Don't use split dose of fertilizer for top
)	(A)		dressing.
Rubber	Nursery stage		4	According to forecast probability of rain
		5 6		will be moderate to high and
				temperature will be less so run off and
	l /			proper drainage should be maintain in
	/ MAMIT)		the field.
	()	4	Medium to young seedling should be
	\ \ \	AIZAWL	už l	support by bamboo stake.
	\	1	4	In the citrus belt, trees can be planted
	\ \	5		at any time; however, spring is the best
	\ \			time for container grown plants.
	1		-4	Make fire line to protect the young tree
	\ \ \ \ \	7		and seedlings.
	1/	ornouu	4	10-12 kg of well rotten organic manure
		SERCHH	I F	and 225 gm rock phosphate should be
		V (apply at time of planting to each pit as
		<u></u>		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting		+	Water level shall be maintained for
Rice	stage	LUNGLEI		better transplant.
	}			Plough the field two to three times.
	1	Ć.,	+	According to forecast probability of rain
	``	0		will be moderate to high and
				temperature will be less so run off and
				proper drainage should be maintained
		2 () \ 3		in the field.
			+	Transplant 2-3 seedlings in one place
				for avoid gap filling.
		LAWNGTLAL	+	Spacing should be 20 cm row to row
		SAIHA		and 15 cm plant to plant.
		(301110	+	Keep some seedlings in nursery or
				corner of the field for gap filling.
		Rice thrips and	+	According to forecast probability of rain will

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



5 | P a g e

		rice leaf mites		be moderate to high and temperature will	
				be less and humidity will high so possibility of rice thrips attack will high.	
	57	}	+	Spray Monocrotophos $@1.5 \text{ ml/lt}$ of water or Imidachloroprid 1.5 ml/lt of water for effective control.	
Jhum Rice	Germination stage	KOLASIB	+	According to forecast probability of rain will be moderate to high and temperature will be less so run off and	
	}			proper drainage should be maintained in the field.	
				Don't use split dose of fertilizer for top dressing.	
	MAMIT	Rice stem borer and leaf folder AIZAWL		According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.	
	\		+	Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.	
Maize (<i>Jhum</i>)	Vegetative stage		-+	According to forecast probability of rain will be moderate to high and	
(Crowney)		SERCHH		temperature will be less so run off and proper drainage should be maintained in the field.	
		_		Don't use split dose of fertilizer for top dressing.	
VEGETABLE CROP					
Cowpea	Vegetative stage	LUNGLEI	_	According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained	
				in the field.	
		7 (-	Don't use split dose of fertilizer for top dressing.	
		1 4	4	Trail semi hard wood stem to bower	
		1	4	structure Clean near the base of the plant.	
Okra	Vegetative	LAWNGTLAN	4	According to forecast probability of rain	
	stage	SAIHA		will be moderate to high and	
			-	temperature will be less so run off and proper drainage should be maintained	
	1	7		1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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			in the field.	
			Don't use split dose of fertilizer for top	
			dressing.	
			Trail semi hard wood stem to bower	
	1 1	3	structure	
		5		
		OIKOLASIB II	 Clean near the base of the plant. Apply insecticide like imidacloprid 0.5 ml or 	
	[[Okra leafroller	phosolone 1.5 ml or acephate 1.0 g or	
		W 1	dimethoate 2 ml/lt of water.	
Ginger and	Vegetative	3 4 /	♣ According to forecast probability of rain	
turmeric	stage		will be moderate to high and	
turmeric	stage	2 5	temperature will be less so run off and	
			proper drainage should be maintained	
	∫ _{MAMIT}	()	in the field.	
	∫ MAMII	\ \ (♣ Apply well decomposed FYM/ pig	
	\ \ \	AIZAWL	manure @ 10-20 t/ha along with	
)	1	$120:80:60$ kg N, P_2O_5 and K_2O/ha	
	i i	1	incorporate with soil for better	
),	3 ~ (development.	
Colocasia	Vegetative	1	♣ According to forecast probability of rain	
Colocusia	stage	~ / /	will be moderate to high and	
	stage		temperature will be less so run off and	
	<u></u>	SERCHH	proper drainage should be maintained	
		V	in the field.	
	1		4 Apply well decomposed FYM/ pig	
			manure @ 10-20 t/ha along with	
	,	· ·	$120:80:60$ kg N, P_2O_5 and K_2O/ha	
			incorporate with soil for better	
		LUNGLEI	development.	
ANIMAL HUSBEN	NDARY		•	
Pig	All stages	0	4 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'	
) ~ A	and increase their feed intake to	
		V (maintain.	
		LAMBICTIALA	Fish oils are excellent for providing	
		LAWNGTLAN	slow-release energy with the added	
		SAIHA	advantage of a fight level of officea o.	
		Porcine	1. Culling of positive pigs or piglets.	
		Reproductive		
			6 P a g e	

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		Respiratory	
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	KOLASIB	 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	AIZAWL	 Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	1	4 th weeks	B complex with antibodies Coccidiosis- Amprolium or coccidiostat
	7	4-5th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	<u>I</u>		
- 13-	Pond preparation	3rd-4th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		LAWNGTLAI	Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.
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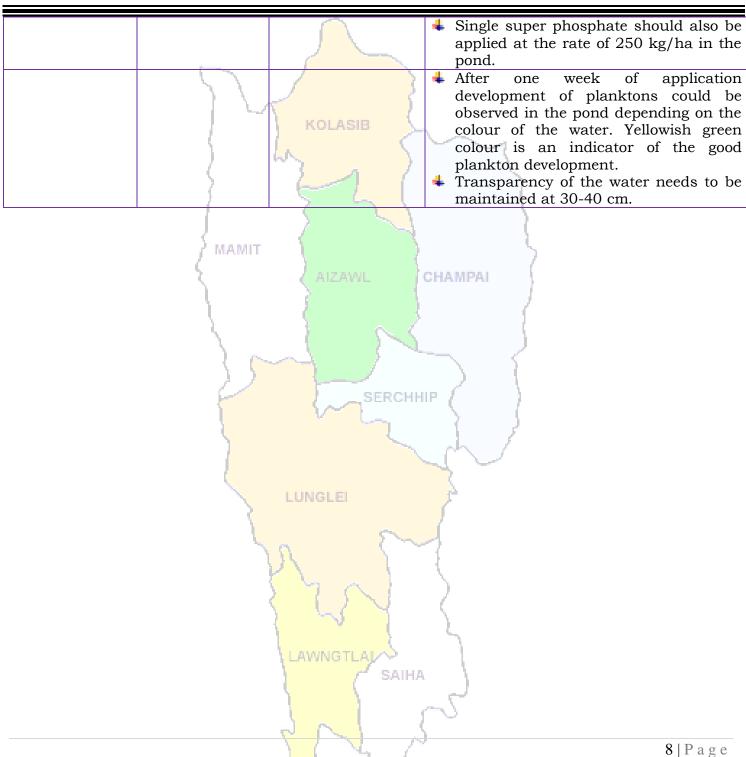


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SAIHA

LAWNGTLA

CHAMPAL

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District: Kolasib Period: 21 June - 25 June, 2017

Bulletin No: - 711/2017/ Bulletin/Mizo

Date of issue: 20th June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	6	6	4	10	30
Max Temp (°C)	32	31	32	31	30
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	99	99	100
Min RH (%)	77	65	75	76	76
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S-E	N-E	E	S-E	S-W

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- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(465.14mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm

Lunglei-326.00mm

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

(453.1mm)

Maximum Tem. (°C):27-28°C

Minimum Tem. (°C):21-22°C

Maximum RH (%):93-99%

Minimum RH (%):78-92%

Wind Direction: Southeasterly

Cloud cover: Mainly cloudy

Wind speed: 2 km/hr

Rainfall: 10.3 mm

24th June- 28th June, 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 30-32°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 65-77% 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: 56.0mm

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 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	}	55	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			
	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah			
PLUM AND PEACH		Commencial sitema	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	OP					
COFFEE	All stages	LAWNGTLAI	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.			
		4)			
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			Harrasting Stage
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	()	/ ?	♣ A rah hmin tha lo ho chu nuai sawm
) \	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
		lf. (→ Hmaih neih nuaih loh tur ani.
)	(A)	👃 Sneg hmaih te lakkhawma paih vek tur
	() 1	ani.
	(👃 Seng bang zawng zawng chu uluka taka
	(paih fai vek tur ani.
			👃 A thlai vennan a rah tlai ho chu paih vek
			tur ani.
	/ MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	AIZAWL	+ Boruak tha taka a hmuh theih nan leh a
)	\	rawn chawr no theih nan thlai chu uluk
	\ \	5	tak a hlawi tur ani.
	\		4 Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
	\	1 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	In leh loa sawngbawln a a ro dan tur
	1 / /		tawkah chuan: Arabica / robusta
		SERCHH	
			robusta cherry 11.0%.
	1	Coffee Rust	Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
		`	Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon, an kan cimunzawin tur am.
Rabi Maize	A chin hun		Wainsing altinua type atom lai lang lat
Rabi Maize	A chin nun	a (~	Vaimim chinna tur atan lei kan let
	·	131	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	dah ang.
			│ ♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	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
			t/ha leh 80:60:40 kg N, P_2O_5 leh
	l	N A	
		74 /	3 P a g e

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			Towards hillrob shares sile lab so hi
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	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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	7	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb ② 2gm ah tui leter 1 pawlha kah tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum	/	W)	tui pek thin tur ani.
	>		Thlai bul vawn hnawn nana thlai bula
	}	5 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
			Thlai chhina hmun (nursery) hi hnim a
		(3	to loh nan Pendimethalin @ 3.5ml hi
	/ MAMIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	tui liter 1 zelah pawlh a kah hi a tha
	\ \ \	AIZAWL	CHA hle ani.
		Phytopthora	4 A chi ven that nan thiram 3g/kg seed
	\	blight	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
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage		Tui pek a hnihnah hringa khuh tur ani
	1		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
		LUNGLEL	tur ani.
Carrot and	Sowing stage		🕴 A than a that theih nan nikhat danah
radish		- C	tui pek thin tur ani.
	*	0 (~	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		1901	Zikhlum lam chi ah chuan sik leh
		() V	sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	Thlai hna lam chi leh zikhlum lam
		SAIHA	
			Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
			pawina kan tur am.

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ANIMAL HUSBEN	NDARY		
Pig	All stages	Porcine Reproductive	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 1. Vawknote emaw vawk lak hran.
	MAMIT	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI SAIHA	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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		_	
		+	Tui an in tur chhawpna tur tha /lian
			tha tak leh tui thianghlim tak pek tur
F			ani.
Į.) 4	Chaw a hmuar/thing pek loh tur ani a,
3		2	an chaw eitur thlak sak thut loh tur
)	ani.
Prevent	tive 0-3 rd v	reek +	
1		CON C	1-6 ah F1 vaccine pek tur ani a, chuan
measu	res	3	a puitlingh chuan R ₂ B vaccine pek tur
(- 1 5 - 1	7	ani.
(_	
-	(44)	-	B complex with antibodies
	4 th we	eks +	Coccidiosis- Amprolium or
ζ.			coccidiostat
/ ·	4-5 th W	eeks 🍴 🖶	Calcium tonic fortified with B ₁₂
FISHERY	AIZAV	/L CH/	AMPAI
Ponc	i 3rd-4th w	reeks +	Dil a leitha hman hian sangha chaw
prepara		3.	kan tih mai planktons insiam nan a
(Dil buat		\sim ($-$	tanpui thin.
(Dir buat	Saiiij		
		7	Bawngek hring 10 tonnes/ha/year vel
)	-	dil ah hman thin a ni a; bawngek
		SERCHHIP	kumkhat a kan mamawh zat
) V~		hmunthum a then a hmunkhat hi dil
			buatsaih nan hman tur ani. A bak
		1	zawng hi tui boruak a zirin semdarh a
		1	hman thin tur ani.
		4	Single super phosphate hi dil hectare
	LUNGLE		khat zel a zauah kg 250 ang a hman
)		thin tur ani.
		4	Leitha kan hman atang a karkhat
	10	(>	hnuah tui rawng a tangin sangha chaw
			inseam that leh thatloh a hriat theih a.
	Y \	1 \	Tui rawng eng hring deuh nghalh ah
) 7 (hian sangha chaw planktons te an
	N 14	4 (inseam tha ang a ngaih ani.
	1	4	Tui nut zawng tehna transparency
		T	pawh 30-40 cm vel ani tur ani.
	LAWNGTL		pawii 50-40 chi vei alli tui alli.
	1	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)



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SAIHA

LAWNGTLA

CHAMPAL

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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: 24 June – 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/English

Date of issue: 23rd June, 2017

Parameters	24.06.2017	25.06.2017	26.06.2017	27.06.2017	28.06.2017
Rainfall (mm)	3	0	0	6	6
Max Temp (°C)	33	32	33	32	32
Min Temp (°C)	24	24	24	24	24
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	97	97	97	97
Min RH (%)	61	62	64	75	81
Wind Speed (KmpH)	4	3	2	2	3
*Wind Direction	E	E	S-E	S-E	E

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

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm Champhai

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-28°C

Minimum Tem. (°C):14-17°C Maximum RH (%):98-99%

Minimum RH (%):87-91%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 2-4 km/hr

Rainfall: 06.4 mm

Weather forecast valid from 24th June, 2017 To 28th June, 2017.

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 24°C. Maximum relative humidity is expected in the range of 96-97% and minimum may from 61-81%. Wind direction would be easterly to southeasterly and easterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 15.0 mm

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/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	F 1	♣ According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	11001010	and temperature will be high. So soil
LIME	J	W 1	moisture should be maintained in the
	(3 4 /	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	[straw mulch near to the base of the
	J		plant.
STAR FRUIT) MAMIT	1 1	♣ Medium to young seedling should be
	((support by bamboo stake.
PLUM AND	\ \	(AIZAWL)	In the citrus belt, trees can be planted at any time; however, spring is the best
PEACH	\		time for container grown plants.
	\		♣ Standard-size trees should be spaced
	\		12 to 25 feet apart and dwarf trees
) /~		should be set 6 to 10 feet apart. The
))		exact distance depends on the variety.
		SERCHH	F The bigger the fruit, the farther
			the distance.
	1		♣ Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		Luigreening,	and temperature will be high. So
	()	Dieback, Lamon	following pest problem will be high Lamon butterfly- Spray monocrotophos
		butterfly and leaf minor	@0.04% @1.2 ml/lt of water.
	1	minor	Leaf minor- Spray confidor 0.05% (0.5)
			ml/lit of water) at each flush
			emergence.
		J 43 4	Citrus Canker- Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower
	stage	SAIHA	structure
		(30110	4 Clean near the base of the plant.
			According to forecast and past weather
			record, probability of rain will be less
		[V]	

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	MAMIT	KOLASIB	and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake. According to forecast and past weather record, probability of rain will be less and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Pineapple	Flowering stage	SERCHH	Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR			
COFFEE	Vegetative stage	LAWNGTLAL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be observed then use grass mulch or straw mulch near to the base of the plant. Medium to young seedling should be support by bamboo stake.
		777	3 Page
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			4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
				SSP @ 1.5 g per 200 lt of water 15 days
		_ /		interval.
) (2	4	Mulching should be done with dry
		7		grasses near the tree base to conserve
		KOLASIB	١.	soil moisture during winter.
	{	1.	4	Spray lantana camera leaf paste
)	W >)		around 3 kg/16 lt water which will give
	5			effective control against drought
	}	5 4		condition.
Rubber	Nursery stage		4	According to forecast and past weather
	{			record, probability of rain will be less
	/ MAMIT			and temperature will be high. So soil
	ς <u>ς</u>	AIZAWL		moisture should be maintained in the
)	ALEATE.	tur I	field. If very shortage of rainfall will be
	h h)		observed then use grass mulch or
	λ	1 ~ 2		straw mulch near to the base of the
	7			plant.
) [-+	Medium to young seedling should be
))			support by bamboo stake.
		SERCHH	IF*	In the citrus belt, trees can be planted
	1			at any time; however, spring is the best
	}			time for container grown plants.
)	7	-	Make fire line to protect the young tree
	J)		and seedlings. 10-12 kg of well rotten organic manure
				and 225 gm rock phosphate should be
		LUNGLEI		apply at time of planting to each pit as
	(basal dose application.
CEREALS AND I	PULSE CROPS			basar dosc application.
Pre Kharif	Transplanting		4	Water level shall be maintained for
Rice	stage			better transplant.
]			Plough the field two to three times.
		1 - V	4	According to forecast probability of rain
		1		will be moderate to high and
		LAWNGTLAL		temperature will be less so run off and
		SAIHA		proper drainage should be maintained
		SAIRA		in the field.
			<u>.</u>	Transplant 2-3 seedlings in one place
				for avoid gap filling.
		7 7 7)—	4 L D
		- N- (-)		4 P a g e

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5 | P a g e

			4	Spacing should be 20 cm row to row
				and 15 cm plant to plant.
			4	Keep some seedlings in nursery or
		/		corner of the field for gap filling.
) \	Rice thrips and	4	According to forecast probability of rain will
		rice leaf mites		be moderate to high and temperature will
		KOLASIB	١.	be less and humidity will high so possibility
	\ \{	/ .	1	of rice thrips attack will high.
)	W)	+	Spray Monocrotophos @ 1.5 ml/lt of water
	5			or Imidachloroprid 1.5 ml/lt of water for
71 50	0 11			effective control.
Jhum Rice	Germination		-	According to forecast probability of rain
	stage			will be moderate to high and
	A MAMIT	1		temperature will be less so run off and
	(} {		proper drainage should be maintained
	₹	AIZAWL	The state of the s	in the field.
	l l	1	+	Don't use split dose of fertilizer for top
				dressing.
	\ \	Rice stem borer	+	According to forecast probability of rain will
	\ .	and leaf folder	_	be moderate to high and temperature will
	((~~\		be less and humidity will high so possibility of rice thrips attack will high.
	1 1		4	Spray Monocrotophos @ 1.5 ml/lt of water
		SERCHH	IF T	or Imidachloroprid 1.5 ml/lt of water for
		V- L		effective control.
Maize	Vegetati <mark>ve</mark>		4	According to forecast probability of rain
(Jhum)	stage	7		will be moderate to high and
(0.100111)	o tange	*		temperature will be less so run off and
		LUNCLE		proper drainage should be maintained
)	LUNGLEI		in the field.
	\	_	4	Don't use split dose of fertilizer for top
	\	~ 8~	-	dressing.
VEGETABLE CR	OP	1 2 4		
Cowpea	Vegetative		4	According to forecast probability of rain
	stage			will be moderate to high and
	2 - 3 - 3 - 3	1 7 3		temperature will be less so run off and
		7		proper drainage should be maintained
				in the field.
		LAWNGTLAL	4	Don't use split dose of fertilizer for top
		/ SAIHA		dressing.
			4	Trail semi hard wood stem to bower
				structure
	1	2	1	
		1 1		

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			4	Clean near the base of the plant.
Okra	Vegetative		_	According to forecast probability of rain
	stage			will be moderate to high and
		\ \ \ \ \ \ \ \		temperature will be less so run off and
	3 \	J ?		proper drainage should be maintained
				in the field.
		KOLASIB	. 4	Don't use split dose of fertilizer for top
	\		1	dressing.
	/		4	Trail semi hard wood stem to bower
)			structure
	}	5 6		Clean near the base of the plant.
		Okra leafroller	4	Apply insecticide like imidacloprid 0.5 ml or
	{			phosolone 1.5 ml or acephate 1.0 g or
	/ MAMIT		<u> </u>	dimethoate 2 ml/lt of water.
Ginger and	Vegetative	AIZAWL	e +	According to forecast probability of rain
turmeric	stage	\ AIEANE	100	will be moderate to high and
	\ \	5		temperature will be less so run off and
	Α			proper drainage should be maintained
	7			in the field.
) [~			Apply well decomposed FYM/ pig
))			manure @ 10-20 t/ha along with
	(/	SERCHH	IP	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil for better
	1			incorporate with soil for better development.
Colocasia	Vegetative		4	According to forecast probability of rain
Colocasia	stage	7	-	will be moderate to high and
	stage	`		temperature will be less so run off and
				proper drainage should be maintained
		LUNGLEI		in the field.
	(_	4	Apply well decomposed FYM/ pig
	\	S~		manure @ 10-20 t/ha along with
	,	(A)	H	120:80:60 kg N, P_2O_5 and K_2O/ha
		$P \setminus A = A = A$	14	incorporate with soil for better
				development.
ANIMAL HUSBEN	IDARY			
Pig	All stages	V (4	As the weather gets colder, your pigs'
		LAWNGTLAL		energy requirement will increase, as
				they need more energy to keep warm.
		SAIHA	+	Regularly monitor their level of 'fitness'
				and increase their feed intake to
				maintain.
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			Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	3 1	Reproductive	i. Caming of positive pigs of pigiete.
		Respiratory	
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		↓ During either hot or heavy rainy
	A MAMIT	1	condition, animal are advised to keep
	/	\ (under shade.
	1 3	AIZAWL	Vaccination is mandatory for the cattle
	1	1	prior to monsoon to protect from
	1	1	disease like Anthrax, Black Quarter,
	1, 1		Foot Mouth Disease, Duck Plague.
Poultry	Litter	1 1	Birds require adequate space, sufficient
	management	~~\ / · · ·	feed to meet their nutritional
	1 1/		requirements and an adequate supply
		SERCHH	
		V- (_,	Good management and sanitation are
			the best ways to avoid infectious
		1	disease in poultry.
			Provide ample quantity of clean
		LUNGLEI	drinking water.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LUNULLI	Avoid feeding of mouldy feed. Don't
	Duomontino	0-3 rd week	make sudden changes in feed Ranikhet Disease- F1 vaccine at (1-6)
	Preventive	O-3 ··· week	days of birth and R ₂ B vaccine for adult
	measures) (birds.
			B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
		John	coccidiostat
		4-5th Weeks	
DIGHEDY		LAWNGTLAL	- Calcium torne fortified with D ₁₂
FISHERY		SAIHA	
	Pond	3 rd -4 th weeks	♣ Application of fertilizers/manure helps
	preparation		in development of plankton which serve
			as natural feed for the fishes.
		777.	7 Page
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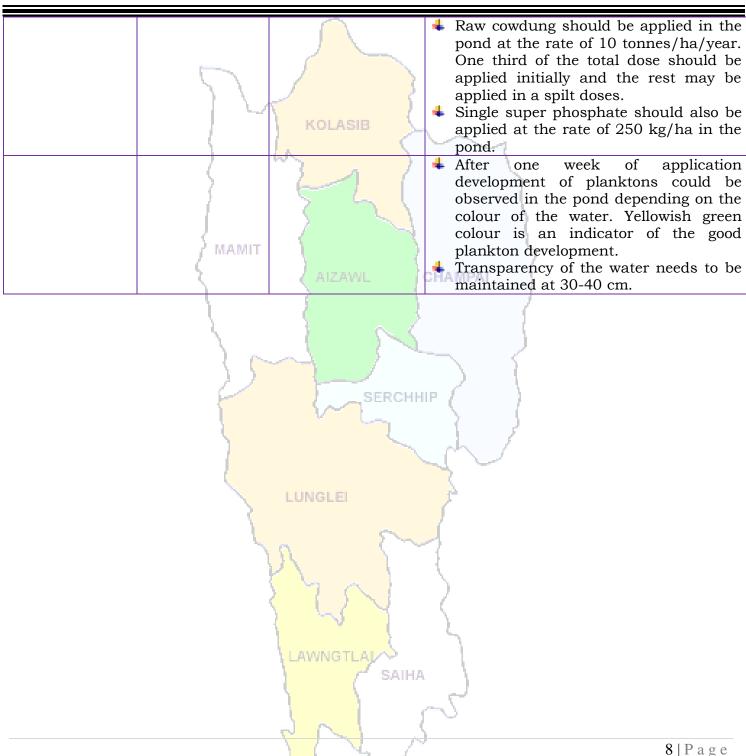


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ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Lawngtlai Period: 24 June – 28 June, 2017

Bulletin No: - 712/2017/ Bulletin/Mizo

	The state of the s	J.			
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Min Temp (°C)	24	24	24	24	24
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Max RH (%)	96	97	97	97	97
Min RH (%)	61	62	64	75	81
Wind Speed (KmpH)	4	3	2	2	3
*Wind Direction	E	E	S-E	S-E	E

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

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Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

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Maximum RH (%):98-99%

Minimum RH (%):87-91%

Wind Direction: Southeasterly
Cloud cover: Mainly cloudy

Wind speed: 2-4 km/hr

Rainfall: 06.4 mm

24th June- 28th June, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 3 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 24°C ni tura beisei a ni. RH san lai berin 96-97% leh a hniam lai berin 61-81% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 15.0mm

NDVI for Mizoram

North East Region

11 May 2017

12 -0.3 have soil / w
background

2.3 -0.3 3 Modew
3.3 -0.4 3

3.4 -0.4 5 Glood

3.5 -0.5 7 Weny 6

Agriculture vigour is good over most of the parts Northern Assam
Tripura and Meghalays whereas moderate vigour is noticed in rest
of the region.

Moderately wet mildly dry/mildly wet conditions

Date of issue: 23rd June, 2017

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 		
BANANA STAR FRUIT	}	55	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		
	A MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH		0	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang		
	35	Gummosis, citrus canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.		
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	LAWNGTLAI	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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			TT
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	<i>J</i> 3	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
			ani.
		borer	Hmaih neih nuaih loh tur ani.
		LA	Sneg hmaih te lakkhawma paih vek tur
	/	" 7 " " "	ani.
)		
)	5 6	Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		4 A thlai vennan a rah tlai ho chu paih vek
	A MAMIT	1	tur ani.
	/ 100-1011		Hmun dam lutukah dah loh tur.
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	AIZAWL	Boruak tha taka a hmuh theih nan leh a
)		rawn chawr no theih nan thlai chu uluk
	\)	tak a hlawi tur ani.
	\	· · · · · · · · · · · · · · · · · · ·	4 Chuan hei hian kah tur ani. Quinalphos 25
	\		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 1		tawkah chuan: Arabica / robusta
		SERCHH	
		V~	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
)	-	dang te paihpaih vek tur ani.
		\ \	Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
	\ \	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun	_ 5~	🛂 Vaimim chinna tur atan lei kan let
		0	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			1 2 -
			4 A chi chu kan lei leh saah chuan kan
		1 " (dah ang.
		L AVAILABLE TO A CO.	A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	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
			t/ha leh $80:60:40$ kg N, P_2O_5 leh
			P
		4	3 P a g e

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Soybean, pea,	All stage	Zero tillage	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		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		-	#6/70 v/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	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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	7	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb ② 2gm ah tui leter 1 pawlha kah tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum)	W)	tui pek thin tur ani.
	>		Thlai bul vawn hnawn nana thlai bula
	}	7 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
			Thlai chhina hmun (nursery) hi hnim a
			to loh nan Pendimethalin @ 3.5ml hi
	/ MAMIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	tui liter 1 zelah pawlh a kah hi a tha
	\ \ \	AIZAWL	CHA hle ani.
		Phytopthora	4 A chi ven that nan thiram 3g/kg seed
	\	blight	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
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage		Tui pek a hnihnah hringa khuh tur ani
	1		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
		LUNGLEL	tur ani.
Carrot and	Sowing stage		🕴 A than a that theih nan nikhat danah
radish		- C	tui pek thin tur ani.
	*	0 (~	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		7	Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	Thlai hna lam chi leh zikhlum lam
		SAIHA	
			Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
			pawina kan tur am.

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ANIMAL HUSBEN	NDARY		
Pig	All stages	Porcine Reproductive	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. 1. Vawknote emaw vawk lak hran.
	MAMIT	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI	 ♣ 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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	1			
			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	7 /	1		an chaw eitur thlak sak thut loh tur
				ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	[E	0-3 week	C	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	W 1		a puitlingh chuan R ₂ B vaccine pek tur
	(3 4 /		
		(ani.
			*	B complex with antibodies
		4 th weeks	-	Coccidiosis- Amprolium or
	₹	(coccidiostat
	MAMII	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWL	CH/	AMPAI
	Pond	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw
	preparation			kan tih mai planktons insiam nan a
				tanpui thin.
	(Dil buatsaih)			-
	{ p	~) '	-	Bawngek hring 10 tonnes/ha/year vel
))			dil ah hman thin a ni a; bawngek
		SERCHH	II P	kumkhat a kan mamawh zat
	\ \frac{1}{2}	\	T	hmunthum a then a hmunkhat hi dil
		Y 0-5		buatsaih nan hman tur ani. A bak
		_		zawng hi tui boruak a zirin semdarh a
		`	_ [hman thin tur ani.
			4	Single super phosphate hi dil hectare
		LUNGLEI	ļ .	khat zel a zauah kg 250 ang a hman
)	LONGLE	1	thin tur ani.
	\ \ \		4	Leitha kan hman atang a karkhat
	l l	~ 8~		hnuah tui rawng a tangin sangha chaw
	,		1	inseam that leh thatloh a hriat theih a.
			1	
				Tui rawng eng hring deuh nghalh ah
			1 6	hian sangha chaw planktons te an
		1 2	1	inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL		pawh 30-40 cm vel ani tur ani.
		/ SAIHA	l.	\
				سا الم
			_	\
			l)	~
		7)—	71D
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