

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/Mizo

Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	5	4	10	6	8
Max Temp (°C)	33	33	33	33	34
Min Temp (°C)	24	23	23	22	23
Cloud Coverage	Clear sky	Mainly clear	Mainly clear	Mainly clear	Clear sky
Max RH (%)	97	98	97	98	95
Min RH (%)	43	49	66	54	51
Wind Speed (KmpH)	2	2	4	2	2
*Wind Direction	S-E	S-E	S-E	E	S-E

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

STATUS OF 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

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): 28-29°C Minimum Tem. (°C):23-26°C Maximum RH (%):91-100% Minimum RH (%):68-76%

Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

Rainfall: 79.0 mm

24th May- 28th May, 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 33-34°C a ni ang a. A vawh lai ber in 22-24°C ni tura beisei a ni. RH san lai berin 95-98% leh a hniam lai berin 43-66% 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: 33.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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

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		100	Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	100		4 A rah hmin tha lo ho chu nuai sawm
	1) \	-0.	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
	J.	borer	ani.
	1	Fa.	Hmaih neih nuaih loh tur ani.
	/	W/5	4 Sneg hmaih te lakkhawma paih vek tur
	8	2 1	ani.
	1		Seng bang zawng zawng chu uluka taka
	1	(paih fai vek tur ani.
		2	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT	1	tur ani.
	J. Interview		Hmun dam lutukah dah loh tur.
	N	LAIZAVIL I	Boruak tha taka a hmuh theih nan leh a
	1		rawn chawr no theih nan thlai chu uluk
	\)	tak a hlawi tur ani.
	A.S.		Chuan hei hian kah tur ani. Quinalphos 25
		1 1 1	EC @ 340 ml/200 lit emaw lamda
	3	~ 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1		♣ In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
	1		,
		SERCHN	
		Coffee Rust	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
		- 10	March (Pre-bloom) a kah phawt a,
	1	DOMESTIC:	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PILSE CROPS		monoconj an kan emianzawin tar am.
Rabi Maize	A chin hun	57.	♣ Vaimim chinna tur atan lei kan let
Tubi muize	11 VIIII IIWII	11	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
		Wing Second	
			a pui dawn a ni.
		-3	4 A chi chu kan lei leh saah chuan kan
			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 A	♣ A chi tuh hma in lei leh FYM @5-10
		N D	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V V	3 Page
		and the	3 1 a g c

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

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

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

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	5		1 44 (Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	; ;	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} ,,,,,,,,,	4 th weeks	(Coccidiosis- Amprolium or coccidiostat
	T MACONIT	4-5 th Weeks	# (Calcium tonic fortified with B ₁₂
FISHERY	3,	(AIZAVVL		MPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks]	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	P (Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			1 ; ;	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Lawntlai Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English

Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	24	25	23	24	23
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	95	96	96	93	92
Min RH (%)	37	44	47	47	42
Wind Speed (KmpH)	4	4	2	4	4
*Wind Direction	S-E	E	E	E	E

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

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

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Champhai- 105.48mm

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Weather summary of the past three days

Maximum Tem. (°C):28-30°C

Minimum Tem. (°C):20-22°C Maximum RH (%):93-98%

Minimum RH (%):64-82% Wind Direction: Easterly Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

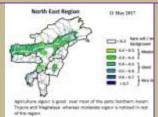
Rainfall: 31.2 mm

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

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 32°C and 23-25°C. Maximum relative humidity is expected in the range of 92-96% and minimum may from 37-47%. Wind direction would be southeasterly to easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling	£ 1	♣ According to forecast probability of rain
MANDARIN	transplanting	KOLASIB	will be less and temperature will be
AND ACID	stage	Tronsfolia -	high, so mulching should be done with
LIME		an I	dry grasses near base of the tree/ plant
	(1 1	to conserve soil moisture.
BANANA	- 7		Fruit plant should be planted in a
	f.	1	sunny and wind-protected area.
		7	4 In the citrus belt, trees can be planted
STAR FRUIT	MAMIT		at any time, however, spring is the best
	Z 1772-1112		time for container grown plants.
PLUM AND	3	(AIZAWL)	Standard-size trees should be spaced
PEACH	1		12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The
1 211011	1		exact distance depends on the variety.
	1	100	The bigger the fruit, the farther
) 6		the distance.
	1		♣ If the soil is not well-drained, plant the
		SERCHN	
	1	(Controlled	prevent water logging.
	1		# Mulching should be done with dry
			grasses near the tree base to conserve
	100		soil moisture during winter.
	1	AVAILABLE V	The young fruit plant must be irrigated
		LUNGLEI	at weekly interval for better
	3		establishment.
		Gummosis, citrus	Lamon butterfly- Spray monocrotophos
		Canker, Citrus	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
		greening,	ml/lit of water) at each flush
		Dieback, Lamon butterfly and leaf	emergence.
		minor	Citrus Canker- Apply bacterimycin
		minor	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	♣ Trail semi hard wood stem to bower
	stage	SAIHA	structure
		(SAINA	Clean near the base of the plant.
		Y Y	♣ In dry spell apply mulch with grass.
		1 2 1	♣ Trellises are in the north-south
		C N	2 I D
		4	2 P a g e

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			direction to minimize the shades during early morning and late evening.
			Young vines are trained to grow along the wire support of the trellises.
		Aphid	4 Apply insecticide like imidacloprid 0.5
		KOLASIB	ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	la S	4 Apply flowering inducing chemical
	stage	201	(Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied
	1	5	in the heart of the plant. In evening and
		1	only when plants have at least 32
	MAMIT		leaves.
	I mressur		The flowering emergence will come out after 55-60 days after chemical
	3	(AIZAWL)	spraying.
	\		Apply split doses of fertilizer @ 60:
	1		50:60 g per plant.
			Remove all unwanted leaves, branches
PLANTATION CR	OP		and weed near to the plant.
COFFEE	Blooming)	According to forecast probability of rain
COFFEE	stage	SERCHN	will be less and temperature will be
	Stuge		high, so mulching should be done with
		-	dry grasses near base of the tree/ plant
	J.		to conserve soil moisture.
	1	172212920	Irrigation of plants at alternate day's interval, 6 weeks before harvesting
)	LUNGLEI	improves fruit retention and fruit
		170	development, and reduces fruit
		m to	cracking and improves the fruit quality.
			Mulching should be done with dry
		190	grasses near the tree base to conserve
			soil moisture during winter. The young fruit plant must be irrigated
		3	at weekly interval for better
		LININGTI III	establishment.
		LAWNGTLAL	
		THE CAULTA	♣ Foliar application of Mepiquat chloride
		SAIHA	@ 1000 PPM concentration or 0.75%
		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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			4	Earthing up soil for better growth and
				stability in root zone.
	The second second		4	Use split dose of any nitrogenous
		/		fertilizer for better growth.
	7	2	4	If possible use straw mulch/ grass
		V		mulch in row to prevent moisture loss
	1	KOLASIB	60	and better growth of plant.
VEGETABLE CR	OP			3 1
Cowpea	Vegetative	"	4	According to forecast probability of rain
Jon Pou	stage			will be less and temperature will be
	otago			high, so mulching should be done with
	1			dry grasses near base of the tree/ plant
		1		to conserve soil moisture.
	MAMIT		4	Earthing up soil for better growth and
	100000000		9	stability in root zone.
	1	(ATZAWIL)	4	Use split dose of any nitrogenous
	l l	1		fertilizer for better growth.
		3	4	If possible use straw mulch/ grass
	1	1	_	mulch in row to prevent moisture loss
		1		and better growth of plant.
Okra	Vegetative		-	According to forecast probability of rain
ORIA			_	will be less and temperature will be
	stage	SERCHN	l÷	high, so mulching should be done with
	1	V long		dry grasses near base of the tree/ plant
				to conserve soil moisture.
			4	Earthing up soil for better growth and
	J			stability in root zone.
		1720000000	4	Use split dose of any nitrogenous
		LUNGLEI	_	fertilizer for better growth.
	1		4	If possible use straw mulch/ grass
		- 5	1	mulch in row to prevent moisture loss
		17	1	and better growth of plant.
Cincon and	Sowing stage		4	Rhizome should be treated with Thiram
Ginger and	Sowing stage	1		@4 g/kg seed.
turmeric	, i		4	
		(-0	-	Use optimum seed rate (50-60 kg/ha)
		The state of the s	4	for desire plant population. Apply well decomposed FYM/ pig
		LAWNGTLAN	-	manure @ 10-20 t/ha along with
		F SAIHA		
		1		120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
			100	incorporate with soil before sowing.
		2 5		Half nitrogen dose will use at the time
		1		

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			0 1 1 0 0
			of sowing and remaining 25% after one
			month and 25% at flowering stage.
Colocasia	Sowing stage	1	♣ Planting is done well prepared land or
		1	pits filled up with FYM (12-15) t/ha
	1) \	- 5	Sprouted corms or cormels are planted
		KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	NOICHOID C	between and within rows in the pits.
	1	60	Inorganic fertilizer like Urea, SSP and
	1	7 2 7	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages	2 5	♣ As the weather gets colder, your pigs'
	1	1	energy requirement will increase, as
	R manus		they need more energy to keep warm.
	MAMIT	1	Regularly monitor their level of 'fitness'
	N	LAIZAVIL I	and increase their feed intake to
	1		maintain.
))	Fish oils are excellent for providing
	Acc.		slow-release energy with the added
			advantage of a high level of omega-3.
	12 6	Porcine	1. Culling of positive pigs or piglets.
)	Reproductive) (
		Respiratory	P ()
	1	Syndrome	
	1	(PRRS).	1 3
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
		WANTE SERVICE	interval
Cattle	All age group	LUNGLEI	♣ During either hot or heavy rainy
		_	condition, animal are advised to keep
		5	under shade.
	- 7	11	♣ Vaccination is mandatory for the cattle
			prior to monsoon to protect from
		1 7 6	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	-3	♣ Birds require adequate space, sufficient
	management	The state of the s	feed to meet their nutritional
		LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			♣ Good management and sanitation are
		1	the best ways to avoid infectious
		W TO	disease in poultry.
		1 11 11	

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		4	Provide ample quantity of clean
		_	drinking water.
	1	-	Avoid feeding of mouldy feed. Don't
	0.0 ml 1		make sudden changes in feed
Preventive	0-3 rd week	-	Ranikhet Disease- F1 vaccine at (1-6)
measures	KOLASIB		days of birth and R ₂ B vaccine for adult birds.
1		View	
3	444 1	_	B complex with antibodies
(4 th weeks	-	Coccidiosis- Amprolium or
7		_	coccidiostat
f.	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	7		(
Pond AMIT	3 rd -4 th weeks	4	Application of fertilizers/manure helps
preparation	1.000	200	in development of plankton which serve
- 1	(AIZAVIL)	CHA	as natural feed for the fishes.
\		4	Raw cowdung should be applied in the
1	(pond at the rate of 10 tonnes/ha/year.
1	100		One third of the total dose should be
)		-	applied initially and the rest may be
1.5			applied in a spilt doses.
	SERCHN	+	Single super phosphate should also be
	SERUM	1	applied at the rate of 250 kg/ha in the
S.			pond.
		4	After one week of application
4		_	development of planktons could be
			observed in the pond depending on the
	LUNGLEI	103	colour of the water. Yellowish green
3		1	colour is an indicator of the good
1		-1	plankton development.
	er (~	-	Transparency of the water needs to be
		16	maintained at 30-40 cm.
	Y TSY	3	
		- 4	7

LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/Mizo

	0.0%	I. C.	5.		
Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	32	32	32
Min Temp (°C)	24	25	23	24	23
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	95	96	96	93	92
Min RH (%)	37	44	47	47	42
Wind Speed (KmpH)	4	4	2	4	4
*Wind Direction	S-E	E	E	E	E

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

Date of issue: 23rd May, 2017

(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):28-30°C

Minimum Tem. (°C):20-22°C Maximum RH (%):93-98% Minimum RH (%):64-82%

Wind Direction: Easterly Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

Rainfall: 31.2 mm

24th May- 28th May, 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°C a ni ang a. A vawh lai ber in 23-25°C ni tura beisei a ni. RH san lai berin 92-96% leh a hniam lai berin 37-47% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	4 A rah hmin tha lo ho chu nuai sawm
	3	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	((. · · · · · · · · · · · · · · · · · ·	🖊 Hmaih neih nuaih loh tur ani.
)	ary)	♣ Sneg hmaih te lakkhawma paih vek tur
	8	1 1	ani.
	1		4 Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
		7/	4 A thlai vennan a rah tlai ho chu paih vek
	PRADRIT		tur ani.
	7	S	# Hmun dam lutukah dah loh tur.
	100	LAIZAVIL I	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
		3	tak a hlawi tur ani.
)	7	4 Chuan hei hian kah tur ani. Quinalphos 25
	100	1 61	EC @ 340 ml/200 lit emaw lamda
	- 1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	12 6		In leh loa sawngbawln a a ro dan tur
)		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
	1	1	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
		10711110-7711	March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Premonsoon) ah kah chhunzawm tur ani.
CEREALS AND P	III.SE CROPS		monsoon an kan chilunzawin tur am.
Rabi Maize	A chin hun	57	→ Vaimim chinna tur atan lei kan let
Tubi muibo		17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
		125 6	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		-3	dah ang.
			A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		SAIHA	
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		12 1	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
			3 P a g e

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



	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	SERCHH	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			
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	LAWNGTLANSAIHA	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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	5		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	4	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	1	4 th weeks		Coccidiosis - Amprolium or coccidiostat
	f mamii	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3	A AIZAWIL	CHA	AMPAI }
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	IIP	Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A LAWNGTI ALL	*	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

Guwahati)

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



District: Lunglei Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English

Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	3	0	0
Max Temp (°C)	30	30	29	30	30
Min Temp (°C)	22	22	22	22	22
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	98	99	98	98	97
Min RH (%)	38	42	49	47	41
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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

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

Maximum Tem. (°C):24-28°C Minimum Tem. (°C):16-18°C Maximum RH (%):95-99% Minimum RH (%):65-79% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 22°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 41-49%. Wind direction would be easterly with the in speed of 2-3 km per hour. Mainly clear sky will prevail during the next five days.

Rainfall: 25.8 mm

Weekly cumulative rainfall: 03.0 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		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling	£ 1	♣ According to forecast probability of rain
MANDARIN	transplanting	KOLASIB	will be less and temperature will be
AND ACID	stage	Tronsfolia -	high, so mulching should be done with
LIME		an I	dry grasses near base of the tree/ plant
T) A 37 A 37 A	(1 1	to conserve soil moisture.
BANANA	3		Fruit plant should be planted in a
	f f		sunny and wind-protected area.
CMAD DDIIIM		/	In the citrus belt, trees can be planted
STAR FRUIT	MAMIT		at any time, however, spring is the best
	(172-171 C	1	time for container grown plants. Standard-size trees should be spaced
PLUM AND	34	(AIZAVIL)	12 to 25 feet apart and dwarf trees
PEACH	1	5	should be set 6 to 10 feet apart. The
	No.		exact distance depends on the variety.
		1 10	The bigger the fruit, the farther
	2 6		the distance.
	7		♣ If the soil is not well-drained, plant the
		SERCHN	trees on a slight mound to
	1	V~	prevent water logging.
	(# Mulching should be done with dry
	1		grasses near the tree base to conserve
	, F		soil moisture during winter.
	./.	LUNGLEI	The young fruit plant must be irrigated at weekly interval for better
)	Print (4/02)-1-1-1	establishment.
		Gummosis, citrus	Lamon butterfly- Spray monocrotophos
		Canker, Citrus	@0.04% @1.2 ml/lt of water.
		greening,	Leaf minor- Spray confidor 0.05% (0.5
	0	Dieback, Lamon	ml/lit of water) at each flush
	1	butterfly and leaf	emergence.
		minor	Citrus Canker - Apply bacterimycin
Passion Fruit	Vogototino	A PERSONAL PROPERTY AND A SECOND	@0.6 g/lt of water. \$\rightarrow\$ Trail semi hard wood stem to bower
Passion Fruit	Vegetative stage	LAWNGTLAN	
	Stage	SAIHA	\$\frac{1}{4}\$ Clean near the base of the plant.
			In dry spell apply mulch with grass.
		1 = 1	Trellises are in the north-south
	l	60	
		1 4	2 P a g e

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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)



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				direction to minimize the shades during early morning and late evening.
			4	Young vines are trained to grow along the wire support of the trellises.
	7.7	Aphid	4	Apply insecticide like imidacloprid 0.5
		V comments (ml or phosolone 1.5 ml or acephate 1.0
	1	KOLASIB	8	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	La V	-	Apply flowering inducing chemical
	stage	3 1		(Ethrel 10 PPM+2% urea+0.04%
	7			Sodium Carbonate) should be applied
	1	3		in the heart of the plant. In evening and only when plants have at least 32
				leaves.
	MAMMIT		4	The flowering emergence will come out
	172751111		2000	after 55-60 days after chemical
	4	(AIZAWL)	CHA	spraying.
	\	1	4	Apply split doses of fertilizer @ 60:
	1	S		50:60 g per plant.
	1	1 500	4	Remove all unwanted leaves, branches
) 6		-	and weed near to the plant.
PLANTATION CR				
COFFEE	Blooming	SERCHN	+	According to forecast probability of rain
	stage	V~		will be less and temperature will be
	1			high, so mulching should be done with
				dry grasses near base of the tree/ plant to conserve soil moisture.
			_	Irrigation of plants at alternate day's
		LUNGLEI		interval, 6 weeks before harvesting
)	E09SEE		improves fruit retention and fruit
		VPA.		development, and reduces fruit
	1	er to	-	cracking and improves the fruit quality.
		3	4	Mulching should be done with dry
		(Vij se)		grasses near the tree base to conserve
				soil moisture during winter.
		-5	-	The young fruit plant must be irrigated
				at weekly interval for better
		LAWNGTLAN	eto	establishment.
		SAIHA	-	Foliar application of Mepiquat chloride
		1		@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days
			1	SSF (W, 1.3 g DCI ZOU II OI WALEI 13 GAVS
				interval.

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Rubber	Nursery stage		4	According to forecast probability of rain
				will be less and temperature will be
		-		high, so mulching should be done with
		6		dry grasses near base of the tree/ plant
) \	- 1		to conserve soil moisture.
	1 4	KOLASIB	4	Clearing operation may be done during
	1	Will Hold	V.	the month of February to April.
)	LA .	-	Make fire line to protect the young tree
	(3 4 /	<u></u>	and seedlings.
	7		-	10-12 kg of well rotten organic manure
	1	3		and 225 gm rock phosphate should be
	J)			apply at time of planting to each pit as basal dose application.
CEREALS AND	PIILSE CROPS	0		basai dose application.
Pre Kharif	Transplanting	10000	24	Water level shall be maintained for
Rice	stage	(ATZAWIL)		better transplant.
Trice	stage	1	4	Plough the field two to three times.
	1			According to weather forecast next five
	1	100		days rainfall possibility is less so make
) 6			a bun around the field and close all out
	7			late for well maintenance of water in
		SERCHH	ı.	the field.
		~	4	Transplant 2-3 seedlings in one place
	1			for avoid gap filling.
			*	Spacing should be 20 cm row to row
	1			and 15 cm plant to plant.
		WWW.neeps	*	Keep some seedlings in nursery or
Theren Dies	O a maria a ti a a	LUNGLEL		corner of the field for gap filling.
Jhum Rice	Germination		-	According to forecast probability of rain will be less and temperature will be
	stage	500		high, so mulching should be done with
		17		dry grasses near base of the tree/ plant
				to conserve soil moisture.
			4	If possible use straw mulch/ grass
		1 50 4		mulch in row to prevent moisture loss
		4		and better growth of plant.
Maize	Vegetative	LAWNGTLAN	4	According to forecast probability of rain
(Jhum)	stage	SAIHA		will be less and temperature will be
		(SAIDA		high, so mulching should be done with
		1	į.	dry grasses near base of the tree/ plant
				to conserve soil moisture.
		P 1		Д I Р а д е

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			4	Earthing up soil for better growth and
				stability in root zone.
	1500000000		-	Use split dose of any nitrogenous
		/		fertilizer for better growth.
		2	4	If possible use straw mulch/ grass
		7		mulch in row to prevent moisture loss
		KOLASIB		and better growth of plant.
VEGETABLE CR	OP			3 1
Cowpea	Vegetative	***	4	According to forecast probability of rain
	stage			will be less and temperature will be
	beage			high, so mulching should be done with
				dry grasses near base of the tree/ plant
	2	A Committee of the Comm		to conserve soil moisture.
	MAMIT	1	4	Earthing up soil for better growth and
	(1727)		2	stability in root zone.
	1	(A)ZAWIL	4	Use split dose of any nitrogenous
		1		fertilizer for better growth.
		()	4	If possible use straw mulch/ grass
	1	1 63		mulch in row to prevent moisture loss
	1	V V		and better growth of plant.
Okra	Vegetative		4	According to forecast probability of rain
O III u	stage	The second second		will be less and temperature will be
	Stage	SERCHN	1	high, so mulching should be done with
	1	The same		dry grasses near base of the tree/ plant
				to conserve soil moisture.
	1		4	Earthing up soil for better growth and
				stability in root zone.
		LUNGLEI	4	Use split dose of any nitrogenous
)	E0MORES.		fertilizer for better growth.
			4	If possible use straw mulch/ grass
	1	200	1	mulch in row to prevent moisture loss
		15	1	and better growth of plant.
Ginger and	Sowing stage	P (12 20 1)	4	Rhizome should be treated with Thiram
turmeric	Sowing stage			@4 g/kg seed.
turmeric	l l	1 60 4	4	Use optimum seed rate (50-60 kg/ha)
		4		for desire plant population.
		Array may source and a	4	Apply well decomposed FYM/ pig
		LAWNGTLAN		manure @ 10-20 t/ha along with
		SAIHA		120:80:60 kg N, P_2O_5 and K_2O/ha
				incorporate with soil before sowing.
		14	0	Half nitrogen dose will use at the time
	<u> </u>	67 [man muogen dose win use at the time

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			of sowing and remaining 25% after one
		y New	month and 25% at flowering stage.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
		1	pits filled up with FYM (12-15) t/ha
	1) \	3	Sprouted corms or cormels are planted
	1 4	KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	NULSION .	between and within rows in the pits.
	1	60	♣ Inorganic fertilizer like Urea, SSP and
	1	7 2 7	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	5 5	♣ As the weather gets colder, your pigs'
	l l	1	energy requirement will increase, as
	R was		they need more energy to keep warm.
	MAMIT	1	Regularly monitor their level of 'fitness'
	N	LAIZAVIL I	and increase their feed intake to
	1		maintain.
))	Fish oils are excellent for providing
	1.0		slow-release energy with the added
			advantage of a high level of omega-3.
	1 6	Porcine	1. Culling of positive pigs or piglets.
))	Reproductive)
		Respiratory	P ()
	1	Syndrome	
	1	(PRRS).	1 3
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
		AVAILA INSTITUTE OF THE PARTY O	interval
Cattle	All age group	LUNGLEI	♣ During either hot or heavy rainy
		_	condition, animal are advised to keep
		500	under shade.
	.)	11	♣ Vaccination is mandatory for the cattle
	1		prior to monsoon to protect from
	2	1 7 65	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	(-3)	♣ Birds require adequate space, sufficient
	management	The second secon	feed to meet their nutritional
		LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			♣ Good management and sanitation are
			the best ways to avoid infectious
		N TO 1	disease in poultry.

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		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 R₂B vaccine for adult birds. B complex with antibodies
\ \	4 th weeks	Coccidiosis- Amprolium or coccidiostat
1	4-5th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY		N. Control of the Con
Pond preparation	3 rd -4 th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
	SERCHH	 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. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.
	LUNGLEI	 ♣ 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 maintained at 30-40 cm.
	[W]	}

LAWNGTLA

SAIHA

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SAIHA

LAWNGTLA

CHAMPAI

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



District: Lunglei Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/Mizo

	0.000		3.0		
Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	3	0	0
Max Temp (°C)	30	30	29	30	30
Min Temp (°C)	22	22	22	22	22
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	98	99	98	98	97
Min RH (%)	38	42	49	47	41
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)

Date of issue: 23rd May, 2017

(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

Maximum Tem. (°C):24-28°C

Minimum Tem. (°C):16-18°C Maximum RH (%):95-99% Minimum RH (%):65-79% Wind Direction: Easterly Cloud cover: Mainly clear

Rainfall: 25.8 mm

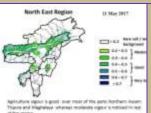
Wind speed: 2-3 km/hr

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

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 22°C ni tura beisei a ni. RH san lai berin 97-99% leh a hniam lai berin 41-49% 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: 03.0mm

NDVI for Mizoram



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
FRUITS CROPS		Diseases	
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	}	7	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani. A seng hma kar 6 chhung chu tui tha
PLUM AND PEACH	MAMIT	AIZAVVI.	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		1	Harvesting Stage
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2.1	1	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	Hmaih neih nuaih loh tur ani.
)	an 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(3 -1 /	ani.
	7		Seng bang zawng zawng chu uluka taka
	1	3	paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAUNTE		Hmun dam lutukah dah loh tur.
	9	LAIZAVAL I	♣ Boruak tha taka a hmuh theih nan leh a
	1	Control of	rawn chawr no theih nan thlai chu uluk
	\)	tak a hlawi tur ani.
	A.s.		4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1	EC @ 340 ml/200 lit emaw lamda
) 6		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		♣ In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
		SERCHN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	■ Natna hrik in a khawih tawh a hnah leh a
		COLICO ITUSC	dang te paihpaih vek tur ani.
	1		Bordeaux mixture 0.5% in February -
	1		March (Pre-bloom) a kah phawt a,
		A CONTRACTOR OF A	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun	m 8%	✓ Vaimim chinna tur atan lei kan let
		36	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	1	0	a pui dawn a ni.
	,		4 A chi chu kan lei leh saah chuan kan
		(-0 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		F SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n) 7	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V V	
		4	3 P a g e

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

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

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

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	5		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	4	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	1	4 th weeks		Coccidiosis - Amprolium or coccidiostat
	T MADNIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3	A AIZAWIL	CH/	IMPAI }
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	IIP	Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A LAWNGTI ALL	*	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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

25.05.2017

6

34

24

Mainly clear

98

47

2

S-E

Bulletin No: - 703/2017/ Bulletin/English

24.05.2017

4

34

24

Clear sky

98

43

3

S-E

3		
26.05.2017	27.05.2017	28.05.2017
6	4	7
34	34	35
24	23	24
Mainly clear	Mainly clear	Clear sky
97	98	96
60	53	48

Date of issue: 23rd May, 2017

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)

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 May, 2017 To 28th May, 2017.

4

S-E

Maximum Tem. (°C):28-31°C Minimum Tem. (°C):17-22°C Maximum RH (%):95-98% Minimum RH (%):62-85% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr There are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 34-35°C and 23-24°C. Maximum relative humidity is expected in the range of 96-98% and minimum may from 43-60%. Wind direction would be southeasterly to easterly with the wind speed of 2-4 km per hour. Mainly clear will prevail during the next five days.

Rainfall: 68.2 mm

Weekly cumulative rainfall: 27.0 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	£ 1	♣ According to forecast probability of rain
MANDARIN	transplanting	KOLASIB	will be less and temperature will be
AND ACID	stage	Transform C	high, so mulching should be done with
LIME		an I	dry grasses near base of the tree/ plant
T) A 37 A 37 A	(1 1	to conserve soil moisture.
BANANA	3		Fruit plant should be planted in a
	- F		sunny and wind-protected area.
CMAD DDIIIM		/	In the citrus belt, trees can be planted
STAR FRUIT	MAMIT		at any time, however, spring is the best
	(172-171 C	1	time for container grown plants. Standard-size trees should be spaced
PLUM AND	34	(AIZAVIL)	12 to 25 feet apart and dwarf trees
PEACH	1	5	should be set 6 to 10 feet apart. The
	1		exact distance depends on the variety.
		1 10	The bigger the fruit, the farther
	2 6		the distance.
	7		♣ If the soil is not well-drained, plant the
		SERCHN	trees on a slight mound to
	1	V~	prevent water logging.
	(# Mulching should be done with dry
	1		grasses near the tree base to conserve
	, F		soil moisture during winter.
	./.	LUNGLEI	The young fruit plant must be irrigated at weekly interval for better
)	Print (4.00)-1-1-1	establishment.
		Gummosis, citrus	Lamon butterfly- Spray monocrotophos
		Canker, Citrus	@0.04% @1.2 ml/lt of water.
		greening,	Leaf minor- Spray confidor 0.05% (0.5
	0	Dieback, Lamon	ml/lit of water) at each flush
	1	butterfly and leaf	emergence.
		minor	Citrus Canker - Apply bacterimycin
Passion Fruit	Vogototino	A PERSONAL PROPERTY AND A SECOND	@0.6 g/lt of water. Trail semi hard wood stem to bower
Passion Fruit	Vegetative stage	LAWNGTLAN	
	Stage	SAIHA	# Clean near the base of the plant.
			In dry spell apply mulch with grass.
		1 = 1	Trellises are in the north-south
	l	60	
		1 4	2 P a g e

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			direction to minimize the shades during early morning and late evening.
			♣ Young vines are trained to grow along the wire support of the trellises.
	1	Aphid	♣ Apply insecticide like imidacloprid 0.5
	1 2	V	ml or phosolone 1.5 ml or acephate 1.0
		KOLASIB	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	an S	Apply flowering inducing chemica
	stage	~ 7	(Ethrel 10 PPM+2% urea+0.04%
	7		Sodium Carbonate) should be applied
	1	7 5	in the heart of the plant. In evening and
			only when plants have at least 32
	3 moves		leaves.
	MAMIT		The flowering emergence will come ou
	7.	LAIZAVVL I	after 55-60 days after chemica
			spraying.
	1	3	Apply split doses of fertilizer @ 60 50:60 g per plant.
	16	and and	Remove all unwanted leaves, branches
	1	1 3	and weed near to the plant.
PLANTATION CR	OP		and weed near to the plant.
COFFEE	Blooming	SERCHN	According to forecast probability of rain
	stage	(SEROINI	will be less and temperature will be
			high, so mulching should be done with
		-	dry grasses near base of the tree/ plan
			to conserve soil moisture.
	7.0		
		A CANADA A A MARKATAN A CANADA	♣ Irrigation of plants at alternate day?
		LUNGLEI	interval, 6 weeks before harvesting
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.
	3	LUNGLEI	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated.
	3		interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated.
	3	LAWNGTLAN	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for bette establishment.
			interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for bette establishment.
		LAWNGTLAN	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for bette establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days
		LAWNGTLAN	interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for bette establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%

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Rubber	Nursery stage	KOLASIB	 ♣ According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. ♣ Clearing operation may be done during the month of February to April. ♣ 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
	2	/	basal dose application.
CEREALS AND I			
Pre Kharif Rice	Transplanting stage	SERCHNE	 Water level shall be maintained for better transplant. Plough the field two to three times. ♣ According to weather forecast next five days rainfall possibility is less so make a bun around the field and close all out late for well maintenance of water in the field. ♣ Transplant 2-3 seedlings in one place for avoid gap filling. ♣ Spacing should be 20 cm row to row and 15 cm plant to plant. ♣ Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Germination	DETRICAL PER	♣ According to forecast probability of rain
	stage	M	will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. If possible use straw mulch/ grass mulch in row to prevent soil loss and better growth of plant.
Maize (<i>Jhum</i>)	Vegetative stage	LAWNGTLAN	♣ According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture.
		6 1 3	4 P a g e

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			4	Earthing up soil for better growth and stability in root zone.
			4	Don't use split dose of any nitrogenous
				fertilizer for better growth.
	3 1	1	4	If possible use straw mulch/ grass
		V vancous V		mulch in row to prevent moisture loss
	1	KOLASIB	Ÿ	and better growth of plant.
VEGETABLE CR	OP			
Cowpea	Vegetative	m 1	4	According to forecast probability of rain
_	stage			will be less and temperature will be
	7	5 5		high, so mulching should be done with
	1	1		dry grasses near base of the tree/ plant
	8			to conserve soil moisture.
	J. WYWIT	1	4	Earthing up soil for better growth and
	9	LAIZAVAL I		stability in root zone.
	1	3	+	Don't use split dose of any nitrogenous
)	1		fertilizer for better growth.
	142	6.7	*	If possible use straw mulch/ grass
				mulch in row to prevent moisture loss
01			- eta	and better growth of plant.
Okra	Vegetative		**	According to forecast probability of rain
	stage	SERCHN	÷	will be less and temperature will be
	1	V		high, so mulching should be done with dry grasses near base of the tree/ plant
	(to conserve soil moisture.
			4	Earthing up soil for better growth and
				stability in root zone.
		LUNGLEI	4	Don't use split dose of any nitrogenous
)	ralidates.		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		m ?	3	mulch in row to prevent moisture loss
			1	and better growth of plant.
Ginger and	Sowing stage		4	Rhizome should be treated with Thiram
turmeric		2 1 5 5 3	1	@4 g/kg seed.
	1) = 3 7	4	Use optimum seed rate (50-60 kg/ha)
				for desire plant population.
		LAWNGTLAND	+	Apply well decomposed FYM/ pig
		SAIHA		manure @ 10-20 t/ha along with
				120:80:60 kg N, P_2O_5 and K_2O/ha
			1000	incorporate with soil before sowing.
		2 2	- 1	Half nitrogen dose will use at the time
		1		

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			of sowing and remaining 25% after one
		White Comments	month and 25% at flowering stage.
Colocasia	Sowing stage	5	♣ Planting is done well prepared land or
		1	pits filled up with FYM (12-15) t/ha
	1) 1	3	Sprouted corms or cormels are planted
		V comments (5-7 deep at a spacing of 40-50 cm
	J.	KOLASIB	between and within rows in the pits.
	1	La S	♣ Inorganic fertilizer like Urea, SSP and
	1	7	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY		
Pig	All stages	5 6	♣ As the weather gets colder, your pigs'
		1	energy requirement will increase, as
	2		they need more energy to keep warm.
	/ MAMIT	()	Regularly monitor their level of 'fitness'
	9	LAIZAWA)	and increase their feed intake to
	1	Community of	maintain.
	1)	Fish oils are excellent for providing
	A-s		slow-release energy with the added
		1 1 3	advantage of a high level of omega-3.
) (Porcine	1. Culling of positive pigs or piglets.
	7	Reproductive	
		Respiratory	P /
		Syndrome	
	· ·	(PRRS).	1 3
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Addit stage	Swine level.	months and yearly interval/6 month
	2.0	CONTRACTOR	interval
Cattle	All age group	LUNGLEI	♣ During either hot or heavy rainy
	B- Bk		condition, animal are advised to keep
		22	under shade.
	. 7	11 (>>	♣ Vaccination is mandatory for the cattle
			prior to monsoon to protect from
	()	(19 20)	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	1 -0	Birds require adequate space, sufficient
	management		feed to meet their nutritional
	1114114801110111	LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			Good management and sanitation are
			the best ways to avoid infectious
		12 1	disease in poultry.
	<u> </u>		arroado in podinj.

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		Provide ample quantity of clean drinking water.
	1	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 R₂B vaccine for adult birds. ♣ B complex with antibodies
ζ.	4th weeks	Coccidiosis- Amprolium or coccidiostat
1	4-5th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	7	A.
Pond preparation	3 rd -4 th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
	SERCHI	pond.
	LUNGLEI	 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 maintained at 30-40 cm.
	FW?	}

LAWNGTLAL

SAIHA

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LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Bulletin No: - 703/2017/ Bulletin/Mizo

Date of issue: 23rd May, 2017

		I control of the cont			
Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	4	6	6	4	7
Max Temp (°C)	34	34	34	34	35
Min Temp (°C)	24	24	24	23	24
Cloud Coverage	Clear sky	Mainly clear	Mainly clear	Mainly clear	Clear sky
Max RH (%)	98	98	97	98	96
Min RH (%)	43	47	60	53	48
Wind Speed (KmpH)	3	2	4	2	2
*Wind Direction	S-E	S-E	S-E	E	E

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

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

Aizawl- 384.87mm

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):28-31°C Minimum Tem. (°C):17-22°C Maximum RH (%):95-98% Minimum RH (%):62-85% Wind Direction: Southeasterly

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

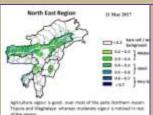
Rainfall: 68.2 mm

24th May- 28th May, 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 34-35°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin 96-98% leh a hniam lai berin 43-60% 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: 27.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		12	Harvesting Stage
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 7	1	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(L. BOTOL	Hmaih neih nuaih loh tur ani.
)	an 3	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	1		Seng bang zawng zawng chu uluka taka
	1	3	paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	S manner		tur ani.
	J. Internet		Hmun dam lutukah dah loh tur.
	N	LAIZAVAL I	Boruak tha taka a hmuh theih nan leh a
	1	3	rawn chawr no theih nan thlai chu uluk
	1)	tak a hlawi tur ani.
	1		Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) 1		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
	1	(~	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
	4		♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		The Administration of	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			1 1 1 1 1 1
Rabi Maize	A chin hun	er to	♣ Vaimim chinna tur atan lei kan let
			phut darh anga.
			Hei hian a rawn to chhuah na tur atan
		2 1 1	a pui dawn a ni.
	11) 54 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		La management de	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	87
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		N PC	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 (14)	3 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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

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

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	5		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	4	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	1	4 th weeks		Coccidiosis - Amprolium or coccidiostat
	T MADNIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3	A AIZAWIL	CH/	IMPAI }
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	IIP	Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A LAWNGTI ALL	*	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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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 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English Date of issue: 23rd May, 2017

		100			
Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	32	31	31
Min Temp (°C)	23	24	23	24	23
Cloud Coverage	Partially clear				
Max RH (%)	96	98	98	96	94
Min RH (%)	34	42	44	46	43
Wind Speed (KmpH)	2	2	2	3	3
*Wind Direction	E	E	E	E	E

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

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

Aizawl- 384.87mm Champhai- 105.48mm Sa

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):23-27°C

Minimum Tem. (°C):15-17°C Maximum RH (%):93-98% Minimum RH (%):51-91%

Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind Speed: 2-3 km/hr

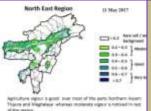
Rainfall: 24.1 mm

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

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 23-24°C. Maximum relative humidity is expected in the range of 94-98% and minimum may from 34-46%. Wind direction would easterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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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)



Animal /Fisheries FRUITS CROPS KHASI MANDARIN AND ACID LIME BANANA STAR FRUIT PLUM AND PEACH PEACH PEACH Gummosis, citrus greening, Dieback, Lamp, Dieback, Dieter, Clarus Canker- Citrus Canker- Citrus Canker- Dieter, Di	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Seedling transplanting stage	Animal		practices/ Pest/	husbandry advisories
# According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. # Fruit plant should be planted in a sunny and wind-protected area. # In the citrus belt, trees can be planted at any time, however, spring is the best 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. The bigger the fruit, the farther the distance. # If the soil is not well-drained, plant the trees on a slight mound to prevent water logging. # Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. # The young fruit plant must be irrigated at weekly interval for better establishment. # Leaf minor Spray confidor 0.05% (0.5 mill) in of water. # Leaf minor Spray confidor 0.05% (0.5 mill) it of water. # Citrus Canker, Apply bacterimycin @0.6 g/lt of water. # Trial semi hard wood stem to bower structure # Clean near the base of the plant. # In dry spell apply mulch with grass. # Trellises are in the north-south			Diseases	
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☐ Clean near the base of the plant. ☐ In dry spell apply mulch with grass. ☐ Trellises are in the north-south		stage		
■ Trellises are in the north-south				Clean near the base of the plant.
210000			200	Trellises are in the north-south
71P 9 17 A			1 1	2 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		1	direction to minimize the shades during early morning and late evening. 4 Young vines are trained to grow along
	1	Aphid	the wire support of the trellises. 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	LA SAVAL	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
PLANTATION CR	OP		spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
COFFEE	Blooming stage	LUNGLEI	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.
		LAWNGTLAL	 Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
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Rubber	Nursery stage		4	According to forecast probability of rain
				will be less and temperature will be
		-		high, so mulching should be done with
		6		dry grasses near base of the tree/ plant
) \	3		to conserve soil moisture.
	1 3	KOLASIB	4	Clearing operation may be done during
	1	Workerson -	V.	the month of February to April.
)	44	-	Make fire line to protect the young tree
	(3 4 /	eto.	and seedlings.
	7		-	10-12 kg of well rotten organic manure
	1	7		and 225 gm rock phosphate should be
	_J			apply at time of planting to each pit as
CEREALS AND	DIII SE CDODS			basal dose application.
Pre Kharif	Transplanting	A CONTRACTOR OF THE PARTY OF TH		Water level shall be maintained for
Rice	stage	(A)ZAVVL		better transplant.
Ricc	stage	1	4	Plough the field two to three times.
	1	(According to weather forecast next five
	1	120		days rainfall possibility is less so make
) 0			a bun around the field and close all out
	100			late for well maintenance of water in
		GERCHA	ı	the field.
		(~~)	4	Transplant 2-3 seedlings in one place
	1	1,24		for avoid gap filling.
			4	Spacing should be 20 cm row to row
	1		_	and 15 cm plant to plant.
	100	U.S. Challenger	+	Keep some seedlings in nursery or
The same Disas	0	LUNGLEI		corner of the field for gap filling.
Jhum Rice	Germination		-	According to forecast probability of rain will be less and temperature will be
	stage	500		high, so mulching should be done with
		17		dry grasses near base of the tree/ plant
				to conserve soil moisture.
			4	If possible use straw mulch/ grass
		1 60 4		mulch in row to prevent moisture loss
		1 4		and better growth of plant.
Maize	Vegetative	LAWNGTLAN	4	According to forecast probability of rain
(Jhum)	stage	SAIHA		will be less and temperature will be
,		(SAINA		high, so mulching should be done with
		1		dry grasses near base of the tree/ plant
		1 3		to conserve soil moisture.
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			# Earthing up soil for better growth and
			stability in root zone.
	1000		Use split dose of any nitrogenous
	100	- P	fertilizer for better growth.
	1) 1	5	♣ If possible use straw mulch/ grass
	1 3	KOLASIB	mulch in row to prevent moisture loss
		NULHOID >	and better growth of plant.
VEGETABLE CR		THOSE TO THE PARTY OF THE PARTY	
Cowpea	Vegetative	1 4 /	According to forecast probability of rain
	stage		will be less and temperature will be
	1	7	high, so mulching should be done with
	1		dry grasses near base of the tree/ plant
	R was		to conserve soil moisture.
	J. WASMIT	1	Use split dose of any nitrogenous
	9	LAIZAVIL I	fertilizer for better growth.
	1		If possible use straw mulch/ grass
	\ \ \)	mulch in row to prevent moisture loss
	Ass		and better growth of plant.
Okra	Vegetative		According to forecast probability of rain
	stage		will be less and temperature will be
))		high, so mulching should be done with
		SERCHN	dry grasses near base of the tree/ plant
	1	1	to conserve soil moisture.
	7	100	♣ Earthing up soil for better growth and
			stability in root zone.
	18		■ Use split dose of any nitrogenous
	200	UNITED SAFETY	fertilizer for better growth.
		LUNGLEI	If possible use straw mulch/ grass
	3		mulch in row to prevent moisture loss
	201	55%	and better growth of plant.
Ginger and	Sowing stage	17	Rhizome should be treated with Thiram
turmeric			@4 g/kg seed.
		1 19 19	Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
		-9	Apply well decomposed FYM/ pig
			manure @ 10-20 t/ha along with
		LAWNGTLAN	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
		/ SAIHA	incorporate with soil before sowing.
		(Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
		w 7	month and 25% at flowering stage.
		1/1/	5 P a g e

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Colocasia	Sowing stage		Planting is done well prepared land or pits filled up with FYM (12-15) t/ha
	7	KOLASIB	 Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI		MACCO TO THE PARTY OF THE PARTY	
Pig	All stages	AIZAVA.	 ♣ As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. ♣ Regularly monitor their level of 'fitness' and increase their feed intake to maintain. ♣ Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	Acc.	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	14. (Respiratory	
	1)	Syndrome	2
	A 1 14 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	LUNGLEI	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,
Cattle	All age group	[Way	Foot Mouth Disease, Duck Plague. During either hot or heavy rainy condition, animal are advised to keep under shade.
		LAWNGTLANSAIHA	↓ Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.
Cattle	All age group	221	During either hot or heavy rainy condition, animal are advised to keep

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	57		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	KOLASIB	 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.
	<	AIZAWIL	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 R₂B vaccine for adult birds. B complex with antibodies
))	4 th weeks	Coccidiosis - Amprolium or
		4-5th Weeks	coccidiostat ♣ Calcium tonic fortified with B ₁₂
FISHERY	-	10 WCCRS	- Calcium tome fortified with B ₁₂
	Pond preparation	3 rd -4 th weeks	Application of fertilizers/manure helps in development of plankton which serve
	3	LONGLES ~	as natural feed for the fishes. 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.
		PW /	Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.
		LAWNGTLANSAIHA	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

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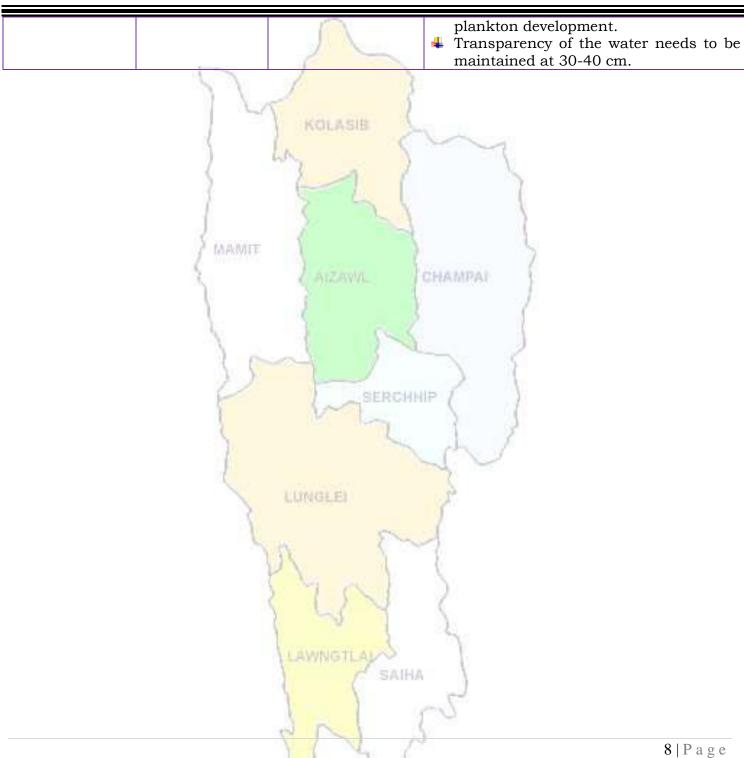


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Mizoram Centre, Kolasib- 796081, MIZORAM

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





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



CHAMPAI



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SAIHA

LAWNGTLA

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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 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/Mizo

Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	32	32	32	31	31
Min Temp (°C)	23	24	23	24	23
Cloud Coverage	Partially clear				
Max RH (%)	96	98	98	96	94
Min RH (%)	34	42	44	46	43
Wind Speed (KmpH)	2	2	2	3	3
*Wind Direction	E	E	E	E	E

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

STATUS OF 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)

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

three days

Maximum Tem. (°C):23-27°C Minimum Tem. (°C):15-17°C Maximum RH (%):93-98% Minimum RH (%):51-91% Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind Speed: 2-3 km/hr

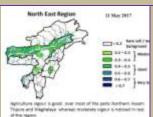
Rainfall: 24.1 mm

24th May- 28th May, 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 31-32°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin of 94-98% leh a hniam lai berin 34-46% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		A 8	7N-11 1 1-1 1 1 11 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	376	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
PLUM AND	MAMIT	AIZAWA_)	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		150	Homosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1	1	♣ A rah hmin tha lo ho chu nuai sawm
	1) \	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	🗸 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	4	()	Hmaih neih nuaih loh tur ani.
)	ary)	4 Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	1		Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	/ MAMIT		🖊 Hmun dam lutukah dah loh tur.
	5	LAIZAVIL I	♣ Boruak tha taka a hmuh theih nan leh a
	1		rawn chawr no theih nan thlai chu uluk
	1	5	tak a hlawi tur ani.
	1	5	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	125	EC @ 340 ml/200 lit emaw lamda
	1	1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
		- Y	In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
	-	0.00	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February -
	31		March (Pre-bloom) a kah phawt a,
		AND AND SHOULD BE SHOULD B	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	OTH CE CEOPS		monsoon an kan cimunzawin tur am.
Rabi Maize	A chin hun	57.	♣ Vaimim chinna tur atan lei kan let
Navi Maize	A CHIII HUII	17	
			phut darh anga. Hei hian a rawn to chhuah na tur atan
	Ü	C C Se I	
		2	a pui dawn a ni.
		1 -3 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		A TOTAL CONTRACTOR OF THE PARTY	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		1	4 A chi tuh hma in lei leh FYM @5-10
		W 12 (t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIV	3 P a g e

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	7		1] 1 ;	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	1 4]	A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	SERCHH	+ + +	Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			-	
Tomato	Bacterial Blight disease	LUNGLEI	***	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAN	4	A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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	5		1 4 (Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week		Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} ,,,,,,,,,	4 th weeks	(Coccidiosis- Amprolium or coccidiostat
	T MACONIT	4-5 th Weeks	# (Calcium tonic fortified with B ₁₂
FISHERY	3,	(AIZAVIL		MPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks]	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI		Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			1 ; , 1	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Serchhip Period: 24 May – 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	6	3	3
Max Temp (°C)	33	34	33	34	34
Min Temp (°C)	24	24	23	23	23
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	99	100	100	100	99
Min RH (%)	37	42	50	45	44
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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)

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(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

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

Maximum Tem. (°C):25-28°C Minimum Tem. (°C):17-19°C Maximum RH (%):94-99% Minimum RH (%):65-81% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-4 km/hr There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 33-34°C and 23-24°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 37-50%. Wind direction would be easterly with the wind speed of 2 km per hour. Partially clear sky will prevail during the next five days.

Rainfall: 61.3 mm

Weekly cumulative rainfall: 13.0 mm

NDVI for Mizoram

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
FRUITS CROPS		Discases	
KHASI MANDARIN AND ACID LIME	Seedling transplanting stage	KOLASIB	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture.
BANANA	}	33	Fruit plant should be planted in a sunny and wind-protected area.In the citrus belt, trees can be planted
STAR FRUIT	MAMIT	AIZAWL	at any time, however, spring is the best time for container grown plants. Standard-size trees should be spaced
PLUM AND PEACH	35		12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance. If the soil is not well-drained, plant the
		SERCHN	trees on a slight mound to prevent water logging. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated
	3	LUNGLEI	at weekly interval for better establishment.
		Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker- Apply bacterimycin @0.6 g/lt of water.
Passion Fruit	Vegetative stage	LAWNGTLAL	 Trail semi hard wood stem to bower structure Clean near the base of the plant. In dry spell apply mulch with grass. Trellises are in the north-south

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



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			direction to minimize the shades during early morning and late evening.						
			♣ Young vines are trained to grow along						
		/	the wire support of the trellises.						
	3 1	Aphid	♣ Apply insecticide like imidacloprid 0.5						
		V same and I	ml or phosolone 1.5 ml or acephate 1.0						
		KOLASIB	g or dimethoate 2 ml/lt of water.						
Pineapple	Flowering	La S	4 Apply flowering inducing chemical						
	stage	" 1	(Ethrel 10 PPM+2% urea+0.04%						
	2		Sodium Carbonate) should be applied						
	1	2 5	in the heart of the plant. In evening and						
	1	1	only when plants have at least 32						
	3	(leaves.						
	MADMIT	1	The flowering emergence will come out						
	7	LAIZAVIL I	after 55-60 days after chemical						
		spraying.							
)	1	Apply split doses of fertilizer @ 60:						
	1	all	50:60 g per plant.						
	- 1		Remove all unwanted leaves, branches						
PLANTATION CR	OP		and weed near to the plant.						
COFFEE	Blooming)	According to forecast probability of rain						
COFFEE	stage	SERCHN	will be less and temperature will be						
	stage	No.	high, so mulching should be done with						
			dry grasses near base of the tree/ plant						
	4		to conserve soil moisture.						
			♣ Irrigation of plants at alternate day's						
		LUNGLEI	interval, 6 weeks before harvesting						
	3		improves fruit retention and fruit						
	- /-	22	development, and reduces fruit						
	. "	11	cracking and improves the fruit quality.						
			# Mulching should be done with dry						
		1 7 6	grasses near the tree base to conserve						
			soil moisture during winter.						
		-0	The young fruit plant must be irrigated						
		The same of the sa	at weekly interval for better establishment.						
		LAWNGTLAN	# Foliar application of Maniquet chlorida						
		SAIHA	(a) 1000 PPM concentration or 0.75%						
		1							
			SSP @ 1.5 g per 200 lt of water 15 days interval.						

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Rubber	Nursery stage		4	According to forecast probability of rain
				will be less and temperature will be
	Towns Co.			high, so mulching should be done with
		/		dry grasses near base of the tree/ plant
	3 (2		to conserve soil moisture.
		V comment (4	Clearing operation may be done during
	1	KOLASIB	0	the month of February to April.
	1	En	· 4	Make fire line to protect the young tree
	1	" 1		and seedlings.
)		4	10-12 kg of well rotten organic manure
	7	> 5		and 225 gm rock phosphate should be
	1	1		apply at time of planting to each pit as
	7/	1		basal dose application.
CEREALS AND I			- de	Water land shall be accepted to 1 C
Pre Kharif	Transplanting	LAIZAVVIL I		Water level shall be maintained for
Rice	stage	1	_	better transplant.
	1			Plough the field two to three times. According to weather forecast next five
	16	1 000	-	days rainfall possibility is less so make
		1 1		a bun around the field and close all out
	3			late for well maintenance of water in
	1	The same of the sa	Lin	the field.
		SERCHN	#	Transplant 2-3 seedlings in one place
	l l	No. of the last		for avoid gap filling.
			4	Spacing should be 20 cm row to row
	- 1			and 15 cm plant to plant.
			4	Keep some seedlings in nursery or
		LUNGLE		corner of the field for gap filling.
Jhum Rice	Germination		4	According to forecast probability of rain
	stage	500		will be less and temperature will be
	. 7	17		high, so mulching should be done with
				dry grasses near base of the tree/ plant
		1 35 19	-	to conserve soil moisture.
			-	If possible use straw mulch/ grass
		-0		mulch in row to prevent moisture loss
Mo!	Vogototino	THE RESTRICT OF THE PARTY OF TH		and better growth of plant. According to forecast probability of rain
Maize	Vegetative	LAWNGTLAND	-	will be less and temperature will be
(Jhum)	stage	SAIHA		high, so mulching should be done with
				dry grasses near base of the tree/ plant
		A MARIE MARI		to conserve soil moisture.
		00		to composite con moiotute.
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	5		#	Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss
		KOLASIB		and better growth of plant.
VEGETABLE CR	OP			•
Cowpea	Vegetative stage	74	#	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture.
	MAMIT	AIZAVAL	4	Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
Okra	Vegetative stage	SERCHN	F	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Earthing up soil for better growth and stability in root zone.
	1	LUNGLEI	#	Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
Ginger and turmeric	Sowing stage	LAWNGTLAL	3	Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time
		0 1		The mitogen door will dot at the tille

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			of sowing and remaining 25% after one
			month and 25% at flowering stage.
Colocasia	Sowing stage	F	♣ Planting is done well prepared land or
	1	1	pits filled up with FYM (12-15) t/ha
	1) 1	- 3	Sprouted corms or cormels are planted
		KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	NOLWOOD .	between and within rows in the pits.
	1	60	♣ Inorganic fertilizer like Urea, SSP and
	1	7 2 7	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	2 5	♣ As the weather gets colder, your pigs'
	T T	1	energy requirement will increase, as
	N .ver		they need more energy to keep warm.
	J. WASMIT	1	Regularly monitor their level of 'fitness'
	9	LAIZAVIL I	and increase their feed intake to
	1		maintain.
	1)	Fish oils are excellent for providing
	1		slow-release energy with the added
			advantage of a high level of omega-3.
	1 6	Porcine	1. Culling of positive pigs or piglets.
))	Reproductive)
		Respiratory	P ()
	1	Syndrome	
	((PRRS).	1 3
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		5.11.22.0	months and yearly interval/6 month
		A THE STATE OF THE	interval
Cattle	All age group	LUNGLEI	♣ During either hot or heavy rainy
		_	condition, animal are advised to keep
		500	under shade.
		11 / 12	♣ Vaccination is mandatory for the cattle
			prior to monsoon to protect from
		130 6	disease like Anthrax, Black Quarter,
			Foot Mouth Disease, Duck Plague.
Poultry	Litter	(-0)	♣ Birds require adequate space, sufficient
	management	The spirote program with the same of the s	feed to meet their nutritional
		LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			♣ Good management and sanitation are
			the best ways to avoid infectious
		N 70 1	disease in poultry.

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		Provide ample quantity of clear 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 R₂B vaccine for adult birds. ♣ B complex with antibodies
\ \	4 th weeks	Coccidiosis- Amprolium or coccidiostat
/	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	1	
Pond preparation	3 rd -4 th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
	SERCHN	 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. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.
	LUNGLEI	 ♣ 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 maintained at 30-40 cm.
	[W	}

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District: Serchhip Period: 24 May – 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/Mizo

Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	0	0	6	3	3
Max Temp (°C)	33	34	33	34	34
Min Temp (°C)	24	24	23	23	23
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	99	100	100	100	99
Min RH (%)	37	42	50	45	44
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E

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

STATUS OF MONSOON- 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):25-28°C

Minimum Tem. (°C):17-19°C Maximum RH (%):94-99% Minimum RH (%):65-81% Wind Direction: Easterly Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

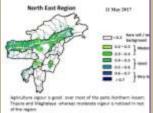
Rainfall: 61.3 mm

24th May- 28th May, 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 33-34°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 37-50% 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: 13.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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

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			Harvesting Stage
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
	3	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(f., C	Hmaih neih nuaih loh tur ani.
)	ary)	♣ Sneg hmaih te lakkhawma paih vek tur
	8	2 1	ani.
	3		Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
		1	4 A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani. Hmun dam lutukah dah loh tur.
	7. 11123 13.5	1	Boruak tha taka a hmuh theih nan leh a
	3.	L ATZAVIL	rawn chawr no theih nan thlai chu uluk
		2	tak a hlawi tur ani.
	1	(3	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1	EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	14.		🕌 In leh loa sawngbawln a a ro dan tur
	1)		tawkah chuan: Arabica / robusta
		SERCHN	
		0.00	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.
	1		Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
	1	AVAILABLE SEA	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	E ~	✓ Vaimim chinna tur atan lei kan let
		175	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
	<u> </u>	1	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		(3	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		N R	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		VIN	3 P a g e

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	SERGHN	 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			# 70 , 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	LAWNGTLAN	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHN	 Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 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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	5		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	4	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	1	4 th weeks		Coccidiosis- Amprolium or coccidiostat
	J. MAGMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3	A AIZAWIL	CH/	AMPAI:
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	IIP	Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A LA	+	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English

Date of issue: 23rd May, 2017

Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	5	6	12	7	10
Max Temp (°C)	30	30	29	29	30
Min Temp (°C)	15	15	15	16	15
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly clear	Clear sky
Max RH (%)	98	99	98	98	96
Min RH (%)	42	47	63	52	49
Wind Speed (KmpH)	2	2	3	2	2
*Wind Direction	S-E	S-E	S-E	E	E

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

STATUS OF MONSOON- 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

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

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):18-21°C Maximum RH (%):96-98% Minimum RH (%):68-82% Wind Direction: Southeasterly Cloud cover: Mainly clear

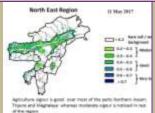
Wind speed: 2-4 km/hr

Rainfall: 81.4 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 29-30°C and 15-16°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 42-63%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 40.0 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		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	(5)	♣ Fruit plant should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	☐ In the citrus belt, trees can be planted
LIME	J	LA .	at any time; however, spring is the best
DANANA	(time for container grown plants.
BANANA	3		Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
C/NAD EDIUM		/	should be set 6 to 10 feet apart. The
STAR FRUIT	MAMIT		exact distance depends on the variety. The bigger the fruit, the farther
	(C) 100-1111	1000000	the distance.
PLUM AND	35	(AIZAWIL)	According to forecast probability of rain
PEACH	1	5	will be less and temperature will be
	1		high, so mulching should be done with
			dry grasses near base of the tree/ plant
	2 6		to conserve soil moisture.
	1)		♣ The young fruit plant must be irrigated
	-	SERCHN	
	1		establishment.
	(Gummosis, citrus	Lamon butterfly- Spray monocrotophos
		Canker, Citrus	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	- 1	greening, Dieback, Lamon	ml/lit of water) at each flush
		butterfly and leaf	emergence.
	3	minor	Citrus Canker- Apply bacterimycin
		(%)	@0.6 g/lt of water.
Passion Fruit	Vegetative 🦠	77	Trail semi hard wood stem to bower
	stage		structure
		190	Clean near the base of the plant.
			In dry spell apply mulch with grass.
		(-3)	Trellises are in the north-south
		TO BUT THE PARTY OF THE PARTY O	direction to minimize the shades during early morning and late evening.
		LAWNGTLAN	♣ Young vines are trained to grow along
		SAIHA	the wire support of the trellises.
		Aphid	# Apply insecticide like imidacloprid 0.5
			ml or phosolone 1.5 ml or acephate 1.0
		6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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				g or dimethoate 2 ml/lt of water.
Pineapple DI ANTATION CE	Flowering stage	KOLASIB	4	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. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR COFFEE	Blooming	Callegia	4	According to forecast probability of rain
	stage	BERCHN	# # #	will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Nursery stage	LAWNGTLAN		According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture.
		200	-	Clearing operation may be done during

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				the month of February to April.
			-	Make fire line to protect the young tree
		-		and seedlings.
		1	-	10-12 kg of well rotten organic manure
	1) \	3		and 225 gm rock phosphate should be
	1 4	KOLASIB (apply at time of planting to each pit as
	J.	RULASIB	6	basal dose application.
CEREALS AND	PULSE CROPS			
Pre Kharif	Transplanting	7 4 1	4	Water level shall be maintained for
Rice	stage			better transplant.
	1	7		Plough the field two to three times.
	Í	1	4	According to weather forecast next five
	R manua			days rainfall possibility is less so make
	/ MAMIT	1		a bun around the field and close all out
	9	LAIZAVAL I		late for well maintenance of water in
		3		the field.
))	4	Transplant 2-3 seedlings in one place
	100	8 8 7		for avoid gap filling.
			-	Spacing should be 20 cm row to row
	1 1			and 15 cm plant to plant.
))		-	Keep some seedlings in nursery or
		SERCHH	ļ÷.	corner of the field for gap filling.
Jhum Rice	Germination	V~~	-	According to forecast probability of rain
	stage			will be less and temperature will be
				high, so mulching should be done with
	Ji			dry grasses near base of the tree/ plant
	1	NAME OF THE OWNER, THE	etn.	to conserve soil moisture.
		LUNGLEI	-	If possible use straw mulch/ grass
	1			mulch in row to prevent soil loss and better growth of plant.
Maize	Vogototiro	- F		According to forecast probability of rain
	Vegetative	17	-	will be less and temperature will be
(Jhum)	stage			high, so mulching should be done with
				dry grasses near base of the tree/ plant
	l l	1 50 4		to conserve soil moisture.
		4	4	Earthing up soil for better growth and
		A CONTRACTOR OF THE SAME	-	stability in root zone.
		LAWNGTLAY	4	Don't use split dose of any nitrogenous
		SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		A SECOND	-1	mulch in row to prevent moisture loss
	ı	60	(1)	•

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			and better growth of plant.
VEGETABLE CR	OP		
Cowpea	Vegetative stage	KOLASIB	 According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
Okra	Vegetative stage	AIZAWL	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
	5	Okra leafroller	Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Ginger and turmeric	Sowing stage	LAWNGTLANSAIHA	 ♣ Rhizome should be treated with Thiram @4 g/kg seed. ♣ Use optimum seed rate (50-60 kg/ha) for desire plant population. ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.

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ANIMAL HUSBE	ENDARY		pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Pig	All stages	Porcine Reproductive Respiratory Syndrome	 ♣ As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. ♣ Regularly monitor their level of 'fitness' and increase their feed intake to maintain. ♣ Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. 1. Culling of positive pigs or piglets.
	Adult stage	(PRRS). Swine fever.	P 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LUNGLEI	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	LAWNGTLAN	 ♣ 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

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	100		make sudden changes in feed
Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
measures	5		days of birth and R2B vaccine for adult
()	1		birds.
) \		_	B complex with antibodies
1 ''	4 th weeks	-	Coccidiosis- Amprolium or
1	RULHOID	V.	coccidiostat
)	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	201		5
Pond	3rd-4th weeks	4	Application of fertilizers/manure helps
preparation			in development of plankton which serve
- 1	/		as natural feed for the fishes.
j* MAM	17 (4	Raw cowdung should be applied in the
5	A AIZAWAL T	CAL	pond at the rate of 10 tonnes/ha/year
1	Comment 1	100	One third of the total dose should be
\ \)		applied initially and the rest may be
1	6 7	1	applied in a spilt doses.
- 1		-	Single super phosphate should also be
1			applied at the rate of 250 kg/ha in the pond.
7.)	4	After one week of application
	SERCH	IIP.	development of planktons could be
1	V In		observed in the pond depending on the
			colour of the water. Yellowish green
			colour is an indicator of the good
1		-	plankton development.
	LUNGLEI	4	Transparency of the water needs to be
	Profession.	1	maintained at 30-40 cm.
-	1		

LAWNGTLAL

SAIHA

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SAIHA

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District: Aizawl Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/Mizo

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

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

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(453.1mm)

Maximum Tem. (°C):27-29°C

Minimum Tem. (°C):18-21°C Maximum RH (%):96-98%

Minimum RH (%):68-82%

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

Rainfall: 81.4 mm

24th May- 28th May, 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 29-30°C a ni ang a. A vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 42-63% 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: 40.0mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA]	56	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT PLUM AND	MAMIT	AIZAWA	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		100	Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
		(A)	4 A rah hmin tha lo ho chu nuai sawm
)) \ \		hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	4	()	Hmaih neih nuaih loh tur ani.
)	ary)	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	1		Seng bang zawng zawng chu uluka taka
	£	7	paih fai vek tur ani.
		3/	4 A thlai vennan a rah tlai ho chu paih vek
	Same	(tur ani.
	/ MAMIT	1	🖶 Hmun dam lutukah dah loh tur.
	9	LAIZAWA 1	Boruak tha taka a hmuh theih nan leh a
	- 1	Commune 1	rawn chawr no theih nan thlai chu uluk
	\	f 1	tak a hlawi tur ani.
	1	(4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 65	EC @ 340 ml/200 lit emaw lamda
		1 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	H. C		👢 In leh loa sawngbawln a a ro dan tur
	7		tawkah chuan: Arabica / robusta
		SERCHN	
	N N	1~	robusta cherry 11.0 %.
	7	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-
		## 13 MIN 19	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun	n 2~	4 Vaimim chinna tur atan lei kan let
		31	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	1	1 7 6	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		1 -0	dah ang.
			A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		SAIHA	
		(SAIIIA	= 10 10 118/118 101 8 0111 0111811 111 8 081111
			vel viau ani.
		1 = 1	A chi tuh hma in lei leh FYM @5-10
		the Colonia	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 1 1	3 P a g e

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	7		1] 1 ;	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	1 4]	A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	SERCHH	+ + +	Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			-	
Tomato	Bacterial Blight disease	LUNGLEI	***	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAN	4	A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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

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	5		1 44 (Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	; ;	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	} ,,,,,,,,,	4 th weeks	(Coccidiosis- Amprolium or coccidiostat
	T MACONIT	4-5 th Weeks	# (Calcium tonic fortified with B ₁₂
FISHERY	3,	(AIZAVVL		MPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks]	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	P (Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			1 ; ;	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Champhai Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English

	0.00	T.	5.		
Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	4	5	12	11	12
Max Temp (°C)	30	30	29	29	30
Min Temp (°C)	22	22	23	22	23
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly clear	Clear sky
Max RH (%)	92	94	94	94	93
Min RH (%)	36	42	55	47	49
Wind Speed (KmpH)	4	2	3	2	2
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

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

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

(359.89mm)(507.7mm)(430.2mm)

(428.1mm)

Date of issue: 23rd May, 2017

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

Weather summary of the past

(259.62mm)

three days

Maximum Tem. (°C):28-31°C Minimum Tem. (°C):16-19°C Maximum RH (%):94-99%

Minimum RH (%):59-81% Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind Speed: 2-4 km/hr

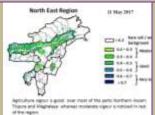
Rainfall: 69.8 mm

Weather forecast valid from 24th May, 2017 To 28th May, 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 29-30°C and 22-23°C. Maximum relative humidity is expected in the range of 92-94% and minimum may from 36-55%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Partially clear 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 Cran/	Storo	Cultural	Agricultural / Horticultural / agricultural
Main Crop/ Animal	Stage		Agricultural / Horticultural / animal
		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	(4 According to forecast probability of rain
MANDARIN	transplanting	KOLASIB	will be less and temperature will be
AND ACID	stage	1	high, so mulching should be done with
LIME	J	Lan.	dry grasses near base of the tree/ plant
	(1 1	to conserve soil moisture.
BANANA	- 7		Fruit plant should be planted in a
	- 1	3	sunny and wind-protected area.
		20	♣ In the citrus belt, trees can be planted
STAR FRUIT	MAMIT		at any time, however, spring is the best
	7		time for container grown plants.
PLUM AND	3.	LAIZAVIL I	Standard-size trees should be spaced
PEACH			12 to 25 feet apart and dwarf trees
PEACH	1	3	should be set 6 to 10 feet apart. The
	1	1 04	exact distance depends on the variety.
		1	The bigger the fruit, the farther
	1		the distance.
	1)		♣ If the soil is not well-drained, plant the
		SERCHN	trees on a slight mound to
			prevent water logging.
	(♣ Mulching should be done with dry
	1		grasses near the tree base to conserve
	1		soil moisture during winter.
		LUNGLEI	The young fruit plant must be irrigated at weekly interval for better
)	ENGOSEES.	establishment.
		Gummosis, citrus	Lamon butterfly- Spray monocrotophos
	1	Canker, Citrus	@0.04% @1.2 ml/lt of water.
		greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush
		butterfly and leaf	emergence.
		minor	Citrus Canker- Apply bacterimycin
		1111101	@0.6 g/lt of water.
Passion Fruit	Vegetative	LINWIGHTAL	♣ Trail semi hard wood stem to bower
	stage	LAWNGTLAN	atm atm
	3	SAIHA	Clean near the base of the plant.
			In dry spell apply mulch with grass.
		1 = 1	Trellises are in the north-south
		6	

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			direction to minimize the shades during early morning and late evening. 4 Young vines are trained to grow along	
	1	Aphid	the wire support of the trellises. 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	LA SAVAL	 ♣ 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 	
PLANTATION CR	OP		spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.	
COFFEE	Blooming stage	LUNGLEI	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.	
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Rubber	Nursery stage		4	According to forecast probability of rain
				will be less and temperature will be
		1		high, so mulching should be done with
		6		dry grasses near base of the tree/ plant
) \	3		to conserve soil moisture.
	1 3	KOLASIB	4	Clearing operation may be done during
	1	NULPIOID .	V.	the month of February to April.
)	LA .	-	Make fire line to protect the young tree
	(3 4 /	eto.	and seedlings.
	7		-	10-12 kg of well rotten organic manure
	1	7 5		and 225 gm rock phosphate should be
		79		apply at time of planting to each pit as
CEREALS AND	DIII SE CDODS			basal dose application.
Pre Kharif	Transplanting		4	Water level shall be maintained for
Rice	stage	(AIZAWIL)		better transplant.
Ricc	stage	1	4	Plough the field two to three times.
	1	(According to weather forecast next five
	1	120		days rainfall possibility is less so make
) 6			a bun around the field and close all out
	100			late for well maintenance of water in
		GERCHA	ı	the field.
	1	(~)	4	Transplant 2-3 seedlings in one place
	1	181 162		for avoid gap filling.
			4	Spacing should be 20 cm row to row
	1		_	and 15 cm plant to plant.
	100	A THE STREET	+	Keep some seedlings in nursery or
71 5	0 11	LUNGIFI	- th	corner of the field for gap filling.
Jhum Rice	Germination		-	According to forecast probability of rain
	stage	500		will be less and temperature will be high, so mulching should be done with
		17		dry grasses near base of the tree/ plant
				to conserve soil moisture.
		120 6	4	If possible use straw mulch/ grass
		1 50 4	-	mulch in row to prevent soil loss and
		1		better growth of plant.
Maize	Vegetative	LAWNGTLAN	4	According to forecast probability of rain
(Jhum)	stage	SAIHA		will be less and temperature will be
, ,		(SAINA		high, so mulching should be done with
				dry grasses near base of the tree/ plant
		A STATE OF		to conserve soil moisture.
		6 1		1 P a g e

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			4	Earthing up soil for better growth and
				stability in root zone.
	The second second		4	Don't use split dose of any nitrogenous
		1		fertilizer for better growth.
		2	4	If possible use straw mulch/ grass
		7		mulch in row to prevent moisture loss
		KOLASIB	62	and better growth of plant.
VEGETABLE CR	OP			3 1
Cowpea	Vegetative	3	4	According to forecast probability of rain
Jon Pou	stage			will be less and temperature will be
	bugo			high, so mulching should be done with
	1			dry grasses near base of the tree/ plant
		1		to conserve soil moisture.
	MAMIT	1	4	Earthing up soil for better growth and
	1772-1710		-2	stability in root zone.
	1	(ATZAWIL)	4	Don't use split dose of any nitrogenous
	l l	1		fertilizer for better growth.
	1	3	4	If possible use straw mulch/ grass
	1	1	_	mulch in row to prevent moisture loss
				and better growth of plant.
Okra	Vegetative			According to forecast probability of rain
OKIA				will be less and temperature will be
	stage	SERCHN	ΙŦ	high, so mulching should be done with
	1	V In		dry grasses near base of the tree/ plant
				to conserve soil moisture.
			4	Earthing up soil for better growth and
				stability in root zone.
		A Visiting Tex	4	Don't use split dose of any nitrogenous
		LUNGLEI	_	fertilizer for better growth.
			4	If possible use straw mulch/ grass
		5	1	mulch in row to prevent moisture loss
		TI.	1	and better growth of plant.
Cincon and	Corrier store		_	Rhizome should be treated with Thiram
Ginger and	Sowing stage	1		@4 g/kg seed.
turmeric	l l		-10	Use optimum seed rate (50-60 kg/ha)
		(-0	-)	
		The state of the s	4	for desire plant population. Apply well decomposed FYM/ pig
		LAWNGTLAN	_	manure @ 10-20 t/ha along with
		F SAIHA		
		1		120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
			2	incorporate with soil before sowing.
		2 5		Half nitrogen dose will use at the time
		1		

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			0 1 1 1 2 2 2
			of sowing and remaining 25% after one
			month and 25% at flowering stage.
Colocasia	Sowing stage	5	♣ Planting is done well prepared land or
		1	pits filled up with FYM (12-15) t/ha
	1) \	- 5	Sprouted corms or cormels are planted
	1 4	KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	NOLWOOD .	between and within rows in the pits.
	1	60	Inorganic fertilizer like Urea, SSP and
	1		MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI			
Pig	All stages	2 5	4 As the weather gets colder, your pigs'
	1	1	energy requirement will increase, as
	S www.		they need more energy to keep warm.
	MAMIT	X 7	Regularly monitor their level of 'fitness'
	1	LAIZAWL I	and increase their feed intake to
	1		maintain.
)	1	Fish oils are excellent for providing
	140	6.7	slow-release energy with the added
	- 1		advantage of a high level of omega-3.
	12 6	Porcine	1. Culling of positive pigs or piglets.
	1)	Reproductive) \
		Respiratory	P (
	1	Syndrome	S (
	1	(PRRS).	1. 7
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	JT		months and yearly interval/6 month
	1	WWW. See St. 1	interval
Cattle	All age group	LUNGLEI	→ During either hot or heavy rainy
			condition, animal are advised to keep
	1	m 800	under shade.
		16	♣ Vaccination is mandatory for the cattle
			prior to monsoon to protect from
			disease like Anthrax, Black Quarter,
		1 60	Foot Mouth Disease, Duck Plague.
Poultry	Litter	A 3	# Birds require adequate space, sufficient
	management	A CHARLETT ALSO	feed to meet their nutritional
		LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			Good management and sanitation are
		1 = 1	the best ways to avoid infectious disease in poultry.
		0	uiscase iii pouitry.

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		 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 R₂B vaccine for adult birds. B complex with antibodies
<u> </u>	4 th weeks	Coccidiosis - Amprolium or coccidiostat
1	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	/	A. Caracian de la Car
Pond preparation	3 rd -4 th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
	SERCHI	pond.
	LUNGLEI	 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 maintained at 30-40 cm.
	[75]	>

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

GRAMIN KRISHI MAUSAM SEWA

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District: Champhai Period: 24 May - 28 May, 2017

25.05.2017

5

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22

Bulletin No: - 703/2017/ Bulletin/Mizo

24.05.2017

4

30

22

26.05.2017	27.05.2017	28.05.2017
12	11	12
29	29	30
23	22	23
Partially clear	Mainly clear	Clear sky

Date of issue: 23rd May, 2017

Cloud Coverage Partially clear Clear sky Max RH (%) 92 94 94 94 93 Min RH (%) 42 47 49 36 55 Wind Speed (KmpH) 4 2 3 2 2 *Wind Direction S-E S-E S-E S-E S-E

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

STATUS OF MONSOON- 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):28-31°C Minimum Tem. (°C):16-19°C Maximum RH (%):94-99% Minimum RH (%):59-81% Wind Direction: Southeasterly

Cloud cover: Mainly clear Wind Speed: 2-4 km/hr

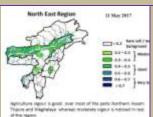
Rainfall: 69.8 mm

24th May- 28th May, 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 29-30°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 92-94% leh a hniam lai berin 36-55% 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: 44.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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

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		Harmosting Stage
		Harvesting Stage
		Coffe rah hmin hi thlasik laiin an seng
	-	thin a ni.
	V C	♣ A rah hmin tha lo ho chu nuai sawm
	3	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
1	borer	ani.
((.	Hmaih neih nuaih loh tur ani.
)	Carry)	♣ Sneg hmaih te lakkhawma paih vek tur
	1 1	ani.
1		Seng bang zawng zawng chu uluka taka
6	7	paih fai vek tur ani.
	3/	♣ A thlai vennan a rah tlai ho chu paih vek
No.	William Co.	tur ani.
J 10A	MIT	Hmun dam lutukah dah loh tur.
9	LAIZAVAL]	Boruak tha taka a hmuh theih nan leh a
	Commence !	rawn chawr no theih nan thlai chu uluk
1	5	tak a hlawi tur ani.
A	5	Chuan hei hian kah tur ani. Quinalphos 25
1	1 5	EC @ 340 ml/200 lit emaw lamda
		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
3,		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
<u>-</u>	SERCH	
1	1	robusta cherry 11.0 %.
3	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
1	1	Bordeaux mixture 0.5% in February -
200	an Commission	March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
SEDEALS AND BUILDE ODOD	- TAGE HAIREIT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROPS		Wainsing chings true stars 1-1 1-1 1-1
Rabi Maize A chin hu	n N	Vaimim chinna tur atan lei kan let
		phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	1 60	4 A chi chu kan lei leh saah chuan kan
	0	dah ang.
	A company of the contract of t	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	SAIH	
	1	vel viau ani.
		A chi tuh hma in lei leh FYM @5-10
	2 6	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh

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

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			awm thin a , hei hi natna tlanglawn
			ber ani.
		5	🖊 Thlai hna lam chi leh zikhlum lam
			chi reng reng enkawl nan Mancozeb
	1) \	- 1	@ 2gm ah tui leter 1 pawlha kah
	1	V KOVARID (tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum	indicate stage	WW 12013 110 110 1	tui pek thin tur ani.
capsicain	(3 0 /	Thlai bul vawn hnawn nana thlai bula
	7		hnim ring vawm khawm hi tui pek
	- 1	7	zawhah dah tur ani.
			Thlai chhina hmun (nursery) hi hnim a
	SUMME		to loh nan Pendimethalin @ 3.5ml hi
	J intervit		tui liter 1 zelah pawlh a kah hi a tha
	3.0	A ATZAVVIL	hle ani.
	10	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	16	2	(Apron)/ kg seed hi a tha hle ani
		1 3 0	Hneh taka 1% Bordeaux chawhpawlh
	16.		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
	Source Business		a. than a that theih nan tui pek hma
			in lei rin pan hmasak tur ani.
	1		A than duna theih nan leh hnim to loh
	4		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	1	CS	tui pek thin tur ani.
	. 1	W ()	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
			4 Zikhlum lam chi ah chuan sik leh
			🖊 sa vangin a hnah ah thil dum a
		-3	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
	l .	0 0	(A) 1

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHN	 Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 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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	5		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	+	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani.
	1	5		B complex with antibodies
	J	4 th weeks	-	Coccidiosis- Amprolium or coccidiostat
) MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	A AIZAWAL J	CH/	AMPAI (
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	IIP	Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			+	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.

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SAIHA

LAWNGTLA

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 24 May - 28 May, 2017

Bulletin No: - 703/2017/ Bulletin/English

	100		5.		
Parameters	24.05.2017	25.05.2017	26.05.2017	27.05.2017	28.05.2017
Rainfall (mm)	5	4	10	6	8
Max Temp (°C)	33	33	33	33	34
Min Temp (°C)	24	23	23	22	23
Cloud Coverage	Clear sky	Mainly clear	Mainly clear	Mainly clear	Clear sky
Max RH (%)	97	98	97	98	95
Min RH (%)	43	49	66	54	51
Wind Speed (KmpH)	2	2	4	2	2
*Wind Direction	S-E	S-E	S-E	E	S-E

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

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

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

(359.89mm)

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

Date of issue: 23rd May, 2017

Lawngtlai-291.20mm Lunglei-326.00mm (465.14mm)(453.1mm)

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

(259.62mm)

Weather summary of the past three days

(430.2mm)

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

Maximum Tem. (°C): 28-29°C Minimum Tem. (°C):23-26°C Maximum RH (%):91-100% Minimum RH (%):68-76% Wind Direction: Southeasterly Cloud cover: Mainly clear

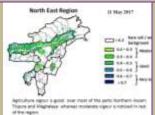
Wind speed: 2-3 km/hr

Rainfall: 79.0 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 33-34°C and 22-24°C. Maximum relative humidity is expected in the range of 95-98% and minimum may from 43-66%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 33.0 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	C .	♣ According to forecast probability of rain
MANDARIN	transplanting	KOLASIB	will be less and temperature will be
AND ACID	stage	Tronger -	high, so mulching should be done with
LIME		ha.	dry grasses near base of the tree/ plant
	. (1 1	to conserve soil moisture.
BANANA	7		Fruit plant should be planted in a
	f.	3	sunny and wind-protected area.
	. J	7	♣ In the citrus belt, trees can be planted
STAR FRUIT	MAMIE		at any time, however, spring is the best
	A THE COLO.		time for container grown plants.
PLUM AND	(%)	(AIZAWL)	Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees
PEACH		1	should be set 6 to 10 feet apart. The
	1		exact distance depends on the variety.
	1	100	The bigger the fruit, the farther
) 6		the distance.
	7 7		♣ Mulching should be done with dry
		SERCHN	
	1	V~	soil moisture during winter.
	1		♣ The young fruit plant must be irrigated
			at weekly interval for better
			establishment.
	1	Gummosis, citrus	Lamon butterfly- Spray monocrotophos
		Canker, Citrus	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
		greening,	ml/lit of water) at each flush
		Dieback, Lamon butterfly and leaf	emergence.
		minor	Citrus Canker- Apply bacterimycin
		minor	@0.6 g/lt of water.
Passion Fruit	Vegetative		Trail semi hard wood stem to bower
	stage	1 55 7	structure
			Clean near the base of the plant.
		LAWNGTLAN	♣ In dry spell apply mulch with grass.
		SAIHA	Trellises are in the north-south
			direction to minimize the shades during
			early morning and late evening.
		200	♣ Young vines are trained to grow along
		1	

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			the wire support of the trellises.
		Aphid	♣ 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	3	♣ Apply flowering inducing chemical
	stage	V common d	(Ethrel 10 PPM+2% urea+0.04%
		KOLASIB	Sodium Carbonate) should be applied
	1	14	in the heart of the plant. In evening and
	1	" 1	only when plants have at least 32
)		leaves.
	7	5 5	4 The flowering emergence will come out
	1	1	after 55-60 days after chemical
	8		spraying.
	MADNIT	1	♣ Apply split doses of fertilizer @ 60:
	5	LAIZAVIL I	50:60 g per plant.
			Remove all unwanted leaves, branches
	N)	and weed near to the plant.
PLANTATION C			* A 1' / C / 1 1'1' / C '
COFFEE	Blooming	1 3 3	According to forecast probability of rain
	stage		will be less and temperature will be
	1)		high, so mulching should be done with dry grasses near base of the tree/ plant
		SERCHN	to conserve soil moisture.
		M. Company	♣ Irrigation of plants at alternate day's
			interval, 6 weeks before harvesting
	1		improves fruit retention and fruit
	1	100	development, and reduces fruit
		LUNGLEI	cracking and improves the fruit quality.
		Print (2, 10, 21, 11, 11)	♣ Mulching should be done with dry
		and the second	grasses near the tree base to conserve
		er ?	soil moisture during winter.
			♣ The young fruit plant must be irrigated
		The second	at weekly interval for better
		2 1 5 5 3	establishment.
	1	1 -5	♣ Foliar application of Mepiquat chloride
			@ 1000 PPM concentration or 0.75%
		LAWNGTLAN	SSP @ 1.5 g per 200 lt of water 15 days
		SAIHA	interval.
Rubber	Nursery stage		According to forecast probability of rain
			will be less and temperature will be
			high, so mulching should be done with

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		KOLASIB	4	dry grasses near base of the tree/ plant to conserve soil moisture. Clearing operation may be done during the month of February to April. 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	PULSE CROPS			basai dosc application.
Pre Kharif Rice	Transplanting stage	AIZAWA	* * *	Water level shall be maintained for better transplant. Plough the field two to three times. According to weather forecast next five days rainfall possibility is less so make a bun around the field and close all out late for well maintenance of water in the field. Transplant 2-3 seedlings in one place for avoid gap filling. Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Germinati <mark>on</mark> stage	LUNGLEI		According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. If possible use straw mulch/ grass mulch in row to prevent soil loss and better growth of plant.
Maize (Jhum)	Vegetative stage	LAWNGTLAN	#	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with dry grasses near base of the tree/ plant to conserve soil moisture. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous

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		7	4	fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss
				and better growth of plant.
VEGETABLE CR	OP			<u> </u>
Cowpea	Vegetative	V. Commonwell A	4	According to forecast probability of rain
	stage	KOLASIB	Ç.	will be less and temperature will be
)	an 1		high, so mulching should be done with
	(3 4 /		dry grasses near base of the tree/ plant
	7		_	to conserve soil moisture.
	- 1	3	-	Earthing up soil for better growth and stability in root zone.
		1	4	Don't use split dose of any nitrogenous
	? MAMIT			fertilizer for better growth.
	Ç	1.77	4	If possible use straw mulch/ grass
		(AIZAVIL)	4114	mulch in row to prevent moisture loss
	1	j)		and better growth of plant.
Okra	Vegetative	6 6 7	4	According to forecast probability of rain
	stage			will be less and temperature will be
	1			high, so mulching should be done with
	1)			dry grasses near base of the tree/ plant to conserve soil moisture.
		SERCHN	F.	Earthing up soil for better growth and
		V. Lange	_	stability in root zone.
			4	Don't use split dose of any nitrogenous
	1		-	fertilizer for better growth.
			4	If possible use straw mulch/ grass
		LUNGLEI	0	mulch in row to prevent moisture loss
			eli i	and better growth of plant.
Ginger and	Sowing stage	500	1	Rhizome should be treated with Thiram @4 g/kg seed.
turmeric		1	4	Use optimum seed rate (50-60 kg/ha)
			1	for desire plant population.
			4	Apply well decomposed FYM/ pig
	1) 55 Y	3	manure @ 10-20 t/ha along with
			133	120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
		LAWNGTLAN		incorporate with soil before sowing.
		SAIHA		Half nitrogen dose will use at the time
		(of sowing and remaining 25% after one
Colocasia	Sowing store			month and 25% at flowering stage. Planting is done well prepared land or
Colocasia	Sowing stage	2 5	-	Training is done wen prepared land of

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		-5	'. C11 1 '.1 TYPE (40 4 F) . /5
ANUMAL INIOPERA	ND A DV		pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI			
Pig	All stages	AIZAVA.	 As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
	35	Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	P 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LUNGLEI	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	LAWNGTLAN	 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

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			make sudden changes in feed
Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
measures	1		days of birth and R ₂ B vaccine for adult
4	1	١.	birds.
) \ \	2	-	B complex with antibodies
1 1	4 th weeks	-	Coccidiosis- Amprolium or
y.	Tropic Tonia	V.	coccidiostat
)	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	101		3
Pond	3 rd -4 th weeks	4	Application of fertilizers/manure helps
preparation	5		in development of plankton which serve
- A		_	as natural feed for the fishes.
J' MAINIT	(-	Raw cowdung should be applied in the
9	LAIZAVAL	CH	pond at the rate of 10 tonnes/ha/year.
			One third of the total dose should be
1	1		applied initially and the rest may be applied in a spilt doses.
i i	a carl	1.	Single super phosphate should also be
			applied at the rate of 250 kg/ha in the
((pond.
		4	After one week of application
	SERCHN	IP:	development of planktons could be
The state of the s	The state of the s		observed in the pond depending on the
	4		colour of the water. Yellowish green
1		_1	colour is an indicator of the good
	•	-	plankton development.
	LUNGLEI	+	Transparency of the water needs to be
3		ľ	maintained at 30-40 cm.
1	500	1	

LAWNGTLAL

SAIHA

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