

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 27 May - 31 May, 2017

Date of issue: 26th May, 2017 Bulletin No: - 704/2017/ Bulletin/English

			5.0		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	4	8	11	11
Max Temp (°C)	33	33	34	32	30
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	97	93	98	98
Min RH (%)	35	37	45	69	62
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	N-E	N-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 (507.7mm) Kolasib- 236.00mm

(430.2mm)

(359.89mm)

Mamit-204.87mm

(428.1mm)Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

(442.80 mm)

(259.62mm)

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Weather summary of the past three days

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):19-20°C Maximum RH (%):97-99% Minimum RH (%):65-86% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

There are chances of moderate to light rainfall during the next 4 day. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 22-23°C. Maximum relative humidity is expected in the range of 93-98% and minimum may from 35-69%. Wind direction would be easterly to northeasterly and southeasterly with the in speed of 2 km per hour. Partially clear sky will prevail during the next five days.

Rainfall: 00.0 mm

Weekly cumulative rainfall: 34.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling	5	♣ According to forecast 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		ha.	dry grasses near base of the tree/ plant
	(1 1	to conserve soil moisture.
BANANA	3		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
	The state of the s		time for container grown plants.
PLUM AND	3	(AIZAWIL)	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
	N.		exact distance depends on the variety.
	1	100	The bigger the fruit, the farther
) 6		the distance.
	10		♣ If the soil is not well-drained, plant the
		SERCHN	
		~	prevent water logging.
	1		♣ Mulching should be done with dry
			grasses near the tree base to conserve
	10		soil moisture during winter.
	1	AVAILABLE SELV	The young fruit plant must be irrigated
		LUNGLEI	at weekly interval for better
	1		establishment.
		Gummosis, citrus	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
	- 1	Canker, Citrus	Leaf minor - Spray confidor 0.05% (0.5)
	1	greening, Dieback, Lamon	ml/lit of water) at each flush
		butterfly and leaf	emergence.
	1	minor	Citrus Canker- Apply bacterimycin
		111101	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	♣ Trail semi hard wood stem to bower
	stage	SAIHA	structure
		(()	Clean near the base of the plant.
		1	4 In dry spell apply mulch with grass.
			♣ Trellises are in the north-south
		7 1	2 D a a a
		-	2 P a g e

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3 | P a g e

			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 parameter (ml or phosolone 1.5 ml or acephate 1.0
		KOLASIB	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	LA V	4 Apply flowering inducing chemica
	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
		1	leaves.
	2 MAMIT		☐ The flowering emergence will come ou
	(mention		after 55-60 days after chemica
	1	(AIZAVIL)	spraying.
	\	5	Apply split doses of fertilizer @ 60
	1		50:60 g per plant.
	1	1 1/2	Remove all unwanted leaves, branches
	1) - 10-		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 high, so mulching should be done with
	(dry grasses near base of the tree/ plan
	1		to conserve soil moisture.
	- 1		♣ Irrigation of plants at alternate day's
		LUNGLEI	interval, 6 weeks before harvesting
	3		improves fruit retention and frui
	- 1	PR-10-10	1 1 1 1 1 1 1 1
			development, and reduces frui
	. 5	17	cracking and improves the fruit quality
		J.	cracking and improves the fruit quality Mulching should be done with dry
			cracking and improves the fruit quality Mulching should be done with dry grasses near the tree base to conserve
		MI	 cracking and improves the fruit quality Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.
		M	 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
		M	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
		LAWNGTLAN	 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.
		LAWNGTLANSAIHA	 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.
			 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
			 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%

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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/ plan 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	SERCHHI	 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 our 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 of corner of the field for gap filling.
Jhum Rice	Germination	LUNGLEI	♣ According to forecast probability of rain
onum Rice	stage	M	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. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
Maize (<i>Jhum</i>)	Vegetative stage	LAWNGTLAL	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/ plan to conserve soil moisture.
		LAND	4 Page

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			4	Earthing up soil for better growth and
				stability in root zone.
	To Management Control		4	Use split dose of any nitrogenous
		1		fertilizer for better growth.
	7	2	4	If possible use straw mulch/ grass
		V		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
Compou	stage	2 1		will be less and temperature will be
	stage			high, so mulching should be done with
	1			dry grasses near base of the tree/ plant
	- J	1		to conserve soil moisture.
	PMAMIT	1	4	Earthing up soil for better growth and
	1	1	-2	stability in root zone.
	1	C ATZAVVIL	4	Use split dose of any nitrogenous
	L.	2		fertilizer for better growth.
	1	3	4	If possible use straw mulch/ grass
	16	2	_	mulch in row to prevent moisture loss
				and better growth of plant.
Okra	Vocatatina			
OKIA	Vegetative		-	According to forecast probability of rain
	stage	SERCHN	l÷	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.
	J	- 33		Earthing up soil for better growth and
	./	AVAILABLES.		stability in root zone.
		LUNGLEI	-	Use split dose of any nitrogenous
	1	_		fertilizer for better growth.
		5	1	If possible use straw mulch/ grass
	- 7	17	1	mulch in row to prevent moisture loss
01	0		_	and better growth of plant.
Ginger and	Sowing stage	7 6	-	Rhizome should be treated with Thiram
turmeric			1	@4 g/kg seed.
		5 -0	-	Use optimum seed rate (50-60 kg/ha)
				for desire plant population.
		LAWNGTLAN	-	Apply well decomposed FYM/ pig
		SAIHA		manure @ 10-20 t/ha along with
				120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
			(Prof.)	incorporate with soil before sowing.
		1	- 1	Half nitrogen dose will use at the time
		Carlot Market		

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			of sowing and remaining 25% after one
Colocasia	Sowing stage	KOLASIB	month and 25% at flowering stage. Planting is done well prepared land or 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	1.61		
Pig	All stages	Porcine	 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. Culling of positive pigs or piglets.
	2	Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	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
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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
ζ.	4 th weeks	Coccidiosis - Amprolium or coccidiostat
1	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	7	
Pond preparation	3rd-4th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
	SERCHIN	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]	}

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLA

CHAMPAI

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	- N	T.	5		
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Max RH (%)	98	97	93	98	98
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Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E.	E.	N-F.	N-F.	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.

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Wind Direction: Easterly
Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

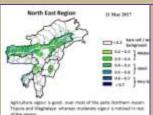
Rainfall: 00.0 mm

27th May– 31st May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 93-98% leh a hniam lai berin 35-69% 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: 34.0mm

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			- mil 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT]	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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		Harmonting Stage
		Harvesting Stage
		Coffe rah hmin hi thlasik laiin an seng
_	-	thin a ni.
1	V 6	♣ 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
1	borer	ani.
4	f., C	Hmaih neih nuaih loh tur ani.
)	way)	♣ Sneg hmaih te lakkhawma paih vek tur
	1 1	ani.
4		♣ Seng bang zawng zawng chu uluka taka
f.	2	paih fai vek tur ani.
	20	4 A thlai vennan a rah tlai ho chu paih vek
No.		tur ani.
J' MAI	With	Hmun dam lutukah dah loh tur.
9	LAIZAVAL I	Boruak tha taka a hmuh theih nan leh a
1	Community of	rawn chawr no theih nan thlai chu uluk
V	5	tak a hlawi tur ani.
1	S	Chuan hei hian kah tur ani. Quinalphos 25
4	1	EC @ 340 ml/200 lit emaw lamda
3		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
3		In leh loa sawngbawln a a ro dan tur
1		tawkah chuan: Arabica / robusta
	SERCH	
1	~	robusta cherry 11.0 %.
(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
1		dang te paihpaih vek tur ani.
10		Bordeaux mixture 0.5% in February -
200	0.7 (U.7.) (U.7.)	March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
EDEALS AND DUI SE CROPS	- Total Hall	monsoon) ah kah chhunzawm tur ani.
EREALS AND PULSE CROPS		Wainsing chings true stars 1-1 1-1 1-1
Rabi Maize A chin hui	" N C	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 6	4 A chi chu kan lei leh saah chuan kan
	6	dah ang.
	A company of the contract of t	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	F SAIH	
	1	vel viau ani.
		A chi tuh hma in lei leh FYM @5-10
	2 2	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh

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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	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	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.
		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	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	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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	5			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
	1	4 th weeks		Coccidiosis- Amprolium or coccidiostat
	MAMI	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3,	(AIZAVIL	CHI	AMPAI:
	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	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 LAWNSTI 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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District: Mamit Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/English

	100		5.		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	0	3	6	7
Max Temp (°C)	33	34	35	33	31
Min Temp (°C)	23	23	24	24	24
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	94	90	95	97
Min RH (%)	40	47	49	56	67
Wind Speed (KmpH)	4	2	2	2	4
*Wind Direction	S-E	F	F	ਜ	Q

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)

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

Weather summary of the past three days

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

Date of issue: 26th May, 2017

Maximum Tem. (°C):31-32°C Minimum Tem. (°C):20-22°C Maximum RH (%):96-98% Minimum RH (%):65-85% Wind Direction: Southeasterly Cloud cover: Mainly clear

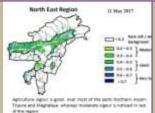
Wind speed: 2-3 km/hr

Rainfall: 10.4 mm

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 23-24°C. Maximum relative humidity is expected in the range of 90-97% and minimum may from 40-67%. Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-4 km per hour. Partially clear will prevail during the next five days.

Weekly cumulative rainfall: 16.0 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	Thomasons -	high, so mulching should be done with
LIME		ha.	dry grasses near base of the tree/ plant
	(1 1	to conserve soil moisture.
BANANA	3		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
	The state of the s		time for container grown plants.
PLUM AND	3	(AIZAWIL)	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
	N.		exact distance depends on the variety.
	1	100	The bigger the fruit, the farther
) 6		the distance.
	10		# If the soil is not well-drained, plant the
		SERCHN	
		~	prevent water logging.
	1		♣ Mulching should be done with dry
			grasses near the tree base to conserve
	10		soil moisture during winter.
	1	AVAILABLE SELV	The young fruit plant must be irrigated
		LUNGLEI	at weekly interval for better
	3		establishment.
		Gummosis, citrus	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
	- 1	Canker, Citrus	Leaf minor - Spray confidor 0.05% (0.5)
	1	greening, Dieback, Lamon	ml/lit of water) at each flush
		butterfly and leaf	emergence.
	1	minor	Citrus Canker- Apply bacterimycin
		111101	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	♣ Trail semi hard wood stem to bower
	stage	SAIHA	structure
		(SAITH	Clean near the base of the plant.
		1	4 In dry spell apply mulch with grass.
			♣ Trellises are in the north-south
		7 1	2 D a a a
		-	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 X	Aphid	♣ Apply insecticide like imidacloprid 0.5
		V parameter (ml or phosolone 1.5 ml or acephate 1.0
	J.	KOLASIB	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	La S	4 Apply flowering inducing chemical
	stage	7 4 /	(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
		1	only when plants have at least 32
	3		leaves.
	J. MAGMIT	1	The flowering emergence will come out
	1	LAIZAVAL	after 55-60 days after chemical
			spraying.
)	1	Apply split doses of fertilizer @ 60:
	1	a call	50:60 g per plant.
	1		Remove all unwanted leaves, branches
PLANTATION CR	OD		and weed near to the plant.
COFFEE			♣ According to forecast probability of rain
COFFEE	Blooming	SERCHN	will be less and temperature will be
	stage	Marin Control	high, so mulching should be done with
	-		dry grasses near base of the tree/ plant
	1		to conserve soil moisture.
	1	Limital El	♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting
	1	LUNGLEI	interval, 6 weeks before harvesting
	3	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
	1	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 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
		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 at weekly interval for better
	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 at weekly interval for better establishment.
	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 better establishment. Foliar application of Mepiquat chloride
	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 at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%
		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 better 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 better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%

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Rubber	Nursery stage	KOLASIB	4	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
		1		apply at time of planting to each pit as basal dose application.
CEREALS AND I	PULSE CROPS			
Pre Kharif Rice	Transplanting stage	SERCHN	44	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
		LUNGI FI		corner of the field for gap filling.
Jhum Rice	Germination stage	Par J		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.
		L 15 3		4 P a g e

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	5	KOLASIB	4	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.
VEGETABLE CR	OP			
Cowpea	Vegetative stage	AIZAVIL	#	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		4	According to forecast probability of rain
	stage	LUNGLEI	+	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.
Ginger and turmeric	Sowing stage	LAWNGTLAN	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

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	1		
			of sowing and remaining 25% after one
			month and 25% at flowering stage.
Colocasia	Sowing stage	J	♣ Planting is done well prepared land or
	1	7	pits filled up with FYM (12-15) t/ha
	1 1	5	Sprouted corms or cormels are planted
	1 3	KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	The state of the s	between and within rows in the pits.
)	an 1	Inorganic fertilizer like Urea, SSP and
ANIBUAL IIIIODD	VD A DV	1 - 1	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI			As the mostless sets colden more size?
Pig	All stages	3	As the weather gets colder, your pigs'
	, J	7	energy requirement will increase, as they need more energy to keep warm.
	MAMIT	Y .	Regularly monitor their level of 'fitness'
	7		and increase their feed intake to
	1	(AYZAVVL.)	maintain.
		1	Fish oils are excellent for providing
	1	(slow-release energy with the added
	9	100	advantage of a high level of omega-3.
	3 0	Porcine	1. Culling of positive pigs or piglets.
	100	Reproductive	
		Respiratory	
		Syndrome	
	V	(PRRS).	1 2
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Adult Stage	Swiffe level.	months and yearly interval/6 month
	2.0	UNITED SECTION	interval
Cattle	All age group	LUNGLEI	♣ During either hot or heavy rainy
			condition, animal are advised to keep
		500	under shade.
		17	♣ 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	1	# Birds require adequate space, sufficient
	management	Linuxer and	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
ζ	4 th weeks	Coccidiosis- Amprolium or coccidiostat
1	4-5th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	7	4
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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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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LAWNGTLAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/Mizo

	0.00		5.		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	0	3	6	7
Max Temp (°C)	33	34	35	33	31
Min Temp (°C)	23	23	24	24	24
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	94	90	95	97
Min RH (%)	40	47	49	56	67
Wind Speed (KmpH)	4	2	2	2	4
*Wind Direction	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)

Date of issue: 26th 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):31-32°C Minimum Tem. (°C):20-22°C

Maximum RH (%):96-98%

Minimum RH (%):65-85%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

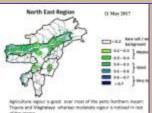
Rainfall: 10.4 mm

27th May- 31st 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 31-35°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin 90-97% leh a hniam lai berin 40-67% 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: 16.0mm

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
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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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		17	Harvesting Stage
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
		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.
)	any)	♣ 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.
		7/	4 A thlai vennan a rah tlai ho chu paih vek
	PRANTE	1	tur ani.
	7	S	# Hmun dam lutukah dah loh tur.
	3.0	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.
	1	7	4 Chuan hei hian kah tur ani. Quinalphos 25
	100	1 6 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	2 6		In leh loa sawngbawln a a ro dan tur
	(1)		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
		1	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
	1		Bordeaux mixture 0.5% in February -
	200		March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND I	DIII CE CDODC		monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	- 22	✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A CHIII Hull	17	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
	((4 70	a pui dawn a ni.
			♣ A chi chu kan lei leh saah chuan kan
) -3]	
		1	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		SAIHA	sawngbawl hmasa anga.
		(SMITH	0 -0 126/124 101 4 0111 411411 111 4 041111
			vel viau ani.
		A = I	4 A chi tuh hma in lei leh FYM @5-10
		60	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		V/NL/	3 P a g e

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	7		n h b a h	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh nunlaia hman tur a ni a, tichuan a pang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah nman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	t L a T	A than a that theih nan nikhat danah cui 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	# # # P# /	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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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 1 1 4 2	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. Vawkhote 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	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		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 LAWNGTI ALS	+	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)



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 27 May - 31 May, 2017

Date of issue: 26th May, 2017 Bulletin No: - 704/2017/ Bulletin/English

		10	100		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	4	3	8	18	8
Max Temp (°C)	33	31	30	29	28
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	96	93	94	97	98
Min RH (%)	36	41	46	79	63
Wind Speed (KmpH)	2	3	2	3	2
*Wind Direction	E	E	E	E	S-E

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

STATUS OF 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 (507.7mm)(428.1mm)

(359.89mm)(430.2mm)Lawngtlai-291.20mm **Mamit-204.87mm** Lunglei-326.00mm Serchhip-411.72mm (465.14mm)

(453.1mm)

(442.80 mm)

(259.62mm)

Weather summary of the past three days

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

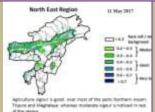
Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-18°C Maximum RH (%):94-98% Minimum RH (%):62-91% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind Speed: 2-3 km/hr

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-33°C and 22-23°C. Maximum relative humidity is expected in the range of 93-98% and minimum may from 36-79%. Wind direction would easterly to southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 41.0 mm

NDVI for Mizoram

Rainfall: 00.0 mm



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		2100000	
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	}	375	Fruit plant should be planted in a sunny and wind-protected area.In the citrus belt, trees can be planted
STAR FRUIT	MAMIT	AIZAWA.	at any time, however, spring is the best time for container grown plants. Standard-size trees should be spaced
PLUM AND PEACH			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
	5	SERCHH	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.
	1	LUNGLEI	The young fruit plant must be irrigated 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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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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			direction to minimize the shades durin early morning and late evening.
			4 Young vines are trained to grow alon
		/	the wire support of the trellises.
	3 /	Aphid	♣ Apply insecticide like imidacloprid 0.
		Vi vancome V	ml or phosolone 1.5 ml or acephate 1.
	J	KOLASIB	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	60	♣ Apply flowering inducing chemica
	stage	" 1	(Ethrel 10 PPM+2% urea+0.04%
	7		Sodium Carbonate) should be applie
	1	2 5	in the heart of the plant. In evening an
		1	only when plants have at least 3
	3		leaves.
	MADNIT	1	The flowering emergence will come ou
	7	LAIZAWAL I	after 55-60 days after chemica
			spraying.
)	1	4 Apply split doses of fertilizer @ 60
	1	al	50:60 g per plant.
			Remove all unwanted leaves, branche and weed near to the plant.
PLANTATION CR	OP		and weed hear to the plant.
COFFEE	Blooming)	According to forecast probability of rai
COFFEE	stage	SERCHN	will be less and temperature will b
	Stage		high, so mulching should be done with
			dry grasses near base of the tree/ plan
	4		to conserve soil moisture.
			♣ Irrigation of plants at alternate day
		LUNGLEI	interval, 6 weeks before harvestin
	3		improves fruit retention and fruit
		22	development, and reduces frui
	. 1	17	cracking and improves the fruit quality
			# Mulching should be done with dr
		(19 20)	grasses near the tree base to conserv
			soil moisture during winter.
		-3	4 The young fruit plant must be irrigate
			at weekly interval for bette
		LAWNGTLAN	establishment.
		LAWNGTLAN	4 Foliar application of Mepiquat chlorid
			Foliar application of Mepiquat chlorid @ 1000 PPM concentration or 0.759
		the state of the s	4 Foliar application of Mepiquat chlorid

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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
	1	1	basal dose application.
CEREALS AND I			
Pre Kharif Rice	Transplanting stage	The state of	 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
		LUNGLEL	corner of the field for gap filling.
Jhum Rice	Germination stage	M	 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 moisture 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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Earthing up soil for better growth and

VEGETABLE CRO		\$ # U f f r	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.
		- 1	According to forecast probability of rain
Cowpea	Vegetative stage		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. 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	SERCHNIF the state of the state	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. 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 SAIHA	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 of sowing and remaining 25% after one month and 25% at flowering stage.
		6 15 3	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
	5	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		MANAGE AND	
Pig	All stages	AIZAWA.	 ♣ 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	[W	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	22 1	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
	MAMIT	AIZAWA.	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
	2	4 th weeks	Coccidiosis- Amprolium or coccidiostat
FISHERY	1	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERI			
	Pond preparation	3 rd -4 th weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		M	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.
		LAWNGTLANSAIHA	4 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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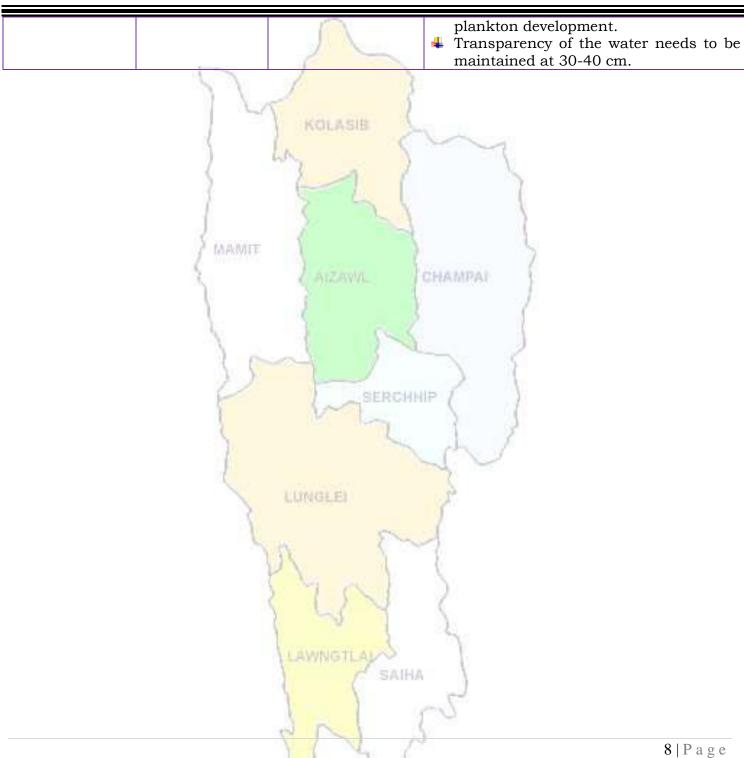


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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters

GRAMIN KRISHI MAUSAM SEWA

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



District: Saiha Period: 27 May - 31 May, 2017

28.05.2017

Bulletin No: - 704/2017/ Bulletin/Mizo

27.05.2017

9.05.2017	30.05.2017	31.05.201
8	18	8
20	20	0.0

Date of issue: 26th May, 2017

Rainfall (mm)	4	3	8	18	8
Max Temp (°C)	33	31	30	29	28
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	96	93	94	97	98
Min RH (%)	36	41	46	79	63
Wind Speed (KmpH)	2	3	2	3	2
*Wind Direction	E	E	E	E	S-E

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

STATUS OF 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

27th May- 31st May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):25-27°C Minimum Tem. (°C):16-18°C Maximum RH (%):94-98% Minimum RH (%):62-91% Wind Direction: Southeasterly Cloud cover: Mainly clear

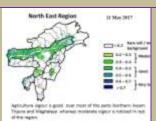
Wind Speed: 2-3 km/hr

Rainfall: 00.0 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin of 93-98% leh a hnjam laj berin 36-79% 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: 41.0mm

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		Discuses	
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	}	55	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	LAWNGTLAN	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		170	Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	100	(A)	4 A rah hmin tha lo ho chu nuai sawm
	1 /		hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(()	Hmaih neih nuaih loh tur ani.
)	ary)	4 Sneg hmaih te lakkhawma paih vek tur
	(1 1	ani.
	- (♣ Seng bang zawng zawng chu uluka taka
	1	7	paih fai vek tur ani.
			👃 A thlai vennan a rah tlai ho chu paih vek
	N manage	-	tur ani.
	J. WYWIT	1	🖶 Hmun dam lutukah dah loh tur.
	9	1 017 0140	♣ Boruak tha taka a hmuh theih nan leh a
	1	(AIZAVIL)	rawn chawr no theih nan thlai chu uluk
		1	tak a hlawi tur ani.
		3	4 Chuan hei hian kah tur ani. Quinalphos 25
	4	1 64	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 - 160 ml / 200 lit.
			♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	parchment 10 %, Arabica cherry 10.5 % leh
		1	robusta cherry 11.0 %.
	1	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
	1		Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
		E018GEE1	monsoon) ah kah chhunzawm tur ani.
CEREALS AND F	PULSE CROPS		
Rabi Maize	A chin hun	- F	🔻 Vaimim chinna tur atan lei kan let
		11	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
		1 73 6	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		1 -9	dah ang.
		LAWNGTLAN	4 A chi chu Thiram @4 g/kg seed hian ak
		SAIHA	sawngbawl hmasa anga.
		(SAINA	
			vel viau ani.
			4 A chi tuh hma in lei leh FYM @5-10
		W 10 1	t/ha leh 80:60:40 kg N, P_2O_5 leh
		VI VI	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 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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	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	CHA	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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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: 27 May - 31 May, 2017

Date of issue: 26th May, 2017 Bulletin No: - 704/2017/ Bulletin/English

Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	5	10	10	13
Max Temp (°C)	34	33	34	33	29
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	94	99	99
Min RH (%)	36	39	51	72	67
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	S-E

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

STATUS OF 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

(430.2mm)

(359.89mm)

(507.7mm)**Mamit-204.87mm**

(428.1mm)Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

(442.80 mm)

(259.62mm)

Weather summary of the past three days

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

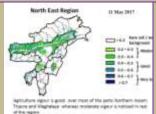
Maximum Tem. (°C):26-30°C Minimum Tem. (°C):19-20°C Maximum RH (%):94-99% Minimum RH (%):65-86% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-4 km/hr

Rainfall: 05.4 mm

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 29-34°C and 22-23°C. Maximum relative humidity is expected in the range of 94-99% and minimum may from 36-72%. Wind direction would be easterly to southeasterly with the wind speed of 2 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 38.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling	5	♣ According to forecast 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		LA.	dry grasses near base of the tree/ plant
T) A 37 A 37 A	(1 1	to conserve soil moisture.
BANANA	3	The second second	# Fruit plant should be planted in a
	- F		sunny and wind-protected area.
CMAD EDIUM		/	# In the citrus belt, trees can be planted
STAR FRUIT	MAMIT		at any time, however, spring is the best
	(172-171 C	100000	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
	A.		exact distance depends on the variety.
		1 1/2	The bigger the fruit, the farther
	1 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
)	PRINCE	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
		Dieback, Lamon	ml/lit of water) at each flush
	1	butterfly and leaf	emergence.
		minor	Citrus Canker- Apply bacterimycin
Passion Fruit	Vogototino	A CONTRACTOR OF THE PARTY OF TH	@0.6 g/lt of water. \$\rightarrow\$ 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
	ı	la VIII	
		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.
	7 (Aphid	♣ Apply insecticide like imidacloprid 0.5
		V common d	ml or phosolone 1.5 ml or acephate 1.0
		KOLASIB	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	60	4 Apply flowering inducing chemical
	stage	7 2 7	(Ethrel 10 PPM+2% urea+0.04%
	7		Sodium Carbonate) should be applied
	1	2 5	in the heart of the plant. In evening and
	1		only when plants have at least 32
	3		leaves.
	MADMIT	X /	The flowering emergence will come out
	7	LAIZAWAL I	after 55-60 days after chemical
		3	spraying.
)	1	Apply split doses of fertilizer @ 60:
	1	al	50:60 g per plant.
	- 1		Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR	OP		and weed hear to the plant.
COFFEE	Blooming		According to forecast probability of rain
COFFEE	stage	SERCHN	will be less and temperature will be
	stage		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
	- 1	22	development, and reduces fruit
	. "	11	cracking and improves the fruit quality.
			# Mulching should be done with dry
	(19 6	grasses near the tree base to conserve
	1		soil moisture during winter.
		(-0)	The young fruit plant must be irrigated
		1	at weekly interval for better establishment.
		LAWNGTLAN	# Foliar application of Maniquat chloride
		F 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
				high, so mulching should be done with
		/		dry grasses near base of the tree/ plant
	1	3		to conserve soil moisture.
		V port a rein	4	Clearing operation may be done during
	J.	KOLASIB	0	the month of February to April.
	1	60	4	Make fire line to protect the young tree
	/	7 4 7		and seedlings.
	7		+	10-12 kg of well rotten organic manure
	1	7		and 225 gm rock phosphate should be
		1		apply at time of planting to each pit as
	20000			basal dose application.
CEREALS AND		1	ele ele	Water level shall be resident to the
Pre Kharif	Transplanting	LAIZAWIL I	*	Water level shall be maintained for
Rice	stage	2		better transplant.
	1	3		Plough the field two to three times. According to weather forecast next five
	16	100	_	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
	4			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	3	will be less and temperature will be
	. "	17		high, so mulching should be done with
				dry grasses near base of the tree/ plant
		1 30	eto.	to conserve soil moisture.
	1		-	If possible use straw mulch/ grass
		-0		mulch in row to prevent moisture loss
Ma!	77 - mad - 4 !		, edn	and better growth of plant. According to forecast probability of rain
Maize	Vegetative	LAWNGTLAN	-	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
		4		to conserve soil moisture.
		10 m	M	to conderve don moisture.
		20 0/ 2/		4 P a g e

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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		and better growth of plant.
VEGETABLE CR	OP			
Cowpea	Vegetative	")	4	According to forecast probability of rain
Compou	stage	2 1		will be less and temperature will be
	stage			high, so mulching should be done with
	1			dry grasses near base of the tree/ plant
		1		to conserve soil moisture.
	2 MAMIT	1	4	Earthing up soil for better growth and
	1	1	g.	stability in root zone.
	3.0	(ATZAWIL)		Use split dose of any nitrogenous
		200		fertilizer for better growth.
	(4	If possible use straw mulch/ grass
	40	1		mulch in row to prevent moisture loss
	1	1		and better growth of plant.
Okra	Wa datatiwa			
OKIA	Vegetative		-	According to forecast probability of rain
	stage	SERCHN	Ŧ	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.
			_	
	J		_	Earthing up soil for better growth and
		AVAILABLES .	_	stability in root zone.
		LUNGLEI	*	Use split dose of any nitrogenous
	-		_	fertilizer for better growth.
		5~	1	If possible use straw mulch/ grass
	. 7	17	1	mulch in row to prevent moisture loss
0' 1	0		-	and better growth of plant.
Ginger and	Sowing stage	1 37 6	-	Rhizome should be treated with Thiram
turmeric				@4 g/kg seed.
		-0	-	Use optimum seed rate (50-60 kg/ha)
				for desire plant population.
		LAWNGTLAN	-	Apply well decomposed FYM/ pig
		SAIHA		manure @ 10-20 t/ha along with
				120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
			1000	incorporate with soil before sowing.
				Half nitrogen dose will use at the time
		C. C.		

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			of sowing and remaining 25% after one
		y New	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	5	Sprouted corms or cormels are planted
	1	KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	Truit of the	between and within rows in the pits.
)	an Y	Inorganic fertilizer like Urea, SSP and
]	1 2 1	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI			
Pig	All stages	7 5	4 As the weather gets colder, your pigs'
			energy requirement will increase, as
	S movee		they need more energy to keep warm.
	J' MAMIT	1	Regularly monitor their level of 'fitness'
	3.0	LAIZAVIL I	and increase their feed intake to
			maintain.
)	1	Fish oils are excellent for providing
	A.	al	slow-release energy with the added
	1		advantage of a high level of omega-3.
	12. (Porcine	1. Culling of positive pigs or piglets.
	1)	Reproductive)
		Respiratory	P ()
	1	Syndrome	3 (
	((PRRS).	F
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	1		months and yearly interval/6 month
		LUNGLEI	interval
Cattle	All age group	PAGGETTS.	During either hot or heavy rainy
		Later Control	condition, animal are advised to keep
		m to	under shade.
			Vaccination is mandatory for the cattle
		Car San V	prior to monsoon to protect from disease like Anthrax, Black Quarter,
Doy-14	Litter		Foot Mouth Disease, Duck Plague. Birds require adequate space, sufficient
Poultry		4	feed to meet their nutritional
	management	LAWNGTLAND	requirements and an adequate supply
		SAIHA	of good-quality water.
		(SAITIA	Good management and sanitation are
			the best ways to avoid infectious
		12 1	disease in poultry.
	l		

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		♣ Provide ample quantity of clean
		drinking water. Avoid feeding of mouldy feed. Don't
		make sudden changes in feed
Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
measures	V per sem	days of birth and R ₂ B vaccine for adult
1	KOLASIB	birds.
)	har an	B complex with antibodies
(4 th weeks	Coccidiosis - Amprolium or
	A =45 TTT 1	coccidiostat
	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	/	M
Pond AMIT	3 rd -4 th weeks	Application of fertilizers/manure helps
preparation	LAIZAVAL)	in development of plankton which serve as natural feed for the fishes.
1		Raw cowdung should be applied in the
	3	pond at the rate of 10 tonnes/ha/year.
4	1 1	One third of the total dose should be
) 6		applied initially and the rest may be
3 5		applied in a spilt doses.
	SERCH	Single super phosphate should also be
		applied at the rate of 250 kg/ha in the pond.
1	The state of the s	♣ After one week of application
		development of planktons could be
J.		observed in the pond depending on the
	LUNGLEI	colour of the water. Yellowish green
3	- 14/3/19/14/1	colour is an indicator of the good
1	000	plankton development.
	111	Transparency of the water needs to be
		maintained at 30-40 cm.
	YST !	}
		4
	A STREET WHILE I STREET	

LAWNGTLAL

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Bulletin No: - 704/2017/ Bulletin/Mizo

	10 miles	F-1	3.0		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	5	10	10	13
Max Temp (°C)	34	33	34	33	29
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	94	99	99
Min RH (%)	36	39	51	72	67
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	S-E

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

STATUS OF 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: 26th 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):26-30°C
Minimum Tem. (°C):19-20°C
Maximum RH (%):94-99%
Minimum RH (%):65-86%
Wind Direction: Easterly
Cloud cover: Mainly clear
Wind speed: 2-4 km/hr

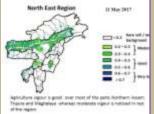
Rainfall: 05.4 mm

27th May- 31st May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-34°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 94-99% leh a hniam lai berin 36-72% 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: 38.0mm

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]	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	1	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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		Hammating Stage
		Harvesting Stage
		Coffe rah hmin hi thlasik laiin an seng
		thin a ni.
1	A 6	♣ A rah hmin tha lo ho chu nuai sawm
	1	hmain an thliar hrang leh vek thin ani.
	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
1	borer	ani.
(f., C	Hmaih neih nuaih loh tur ani.
)	Grand J	♣ Sneg hmaih te lakkhawma paih vek tur
	1 1	ani.
4	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
1	2	paih fai vek tur ani.
	37	♣ A thlai vennan a rah tlai ho chu paih vek
No.	A VICE	tur ani.
7 10	ADMIT (Hmun dam lutukah dah loh tur.
§	LAIZAVAL 1	Boruak tha taka a hmuh theih nan leh a
	Community of	rawn chawr no theih nan thlai chu uluk
	5	tak a hlawi tur ani.
1	(Chuan hei hian kah tur ani. Quinalphos 25
1	1 1	EC @ 340 ml/200 lit emaw lamda
3		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
3		In leh loa sawngbawln a a ro dan tur
7		tawkah chuan: Arabica / robusta
je	SERCH	
1	V~	robusta cherry 11.0 %.
(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
(A)		dang te paihpaih vek tur ani.
1	fi i	Bordeaux mixture 0.5% in February -
23	S. D. W.	March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
SEDEALS AND BUILDE ODOL		monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE CROP		Wainsing alainena terri atau 1.: 1 1.t
Rabi Maize A chin h	un 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 6	4 A chi chu kan lei leh saah chuan kan
	4	dah ang.
	A company of the control of the cont	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
) F SAIH	
	1	vel viau ani.
		A chi tuh hma in lei leh FYM @5-10
	1 2	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh

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Cowboon	A11 e4 e e e	Zona Ailla au	 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram)	any)	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	7	2 5	♣ Thlasik lai a lei khoro lutuk tur ven
cultivation in	J	7	nan a chungah hnim leh thildanga khuh tur ani.
rice fellow) MAMIE		
Potato	Sowing stage	AIZAVA	♣ Muangchang loving alu chin na tur
	1	Contention.	chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin
)	1	lakah a veng dawn ani.
	1	1 64	Lei leh hmain a hmun hma chu fai
	1	1 3 1	taka thlawh hmasak tur ani.
	1		A chi thlak hma in a chi chu en fiah
		SERCHN	hmasak tur ani. A than a that theih nan nikhat danah
	1	V-	tui pek thin tur ani.
VEGETABLE CR	OP		•
Tomato	Bacterial Bacterial		Tomato bikah chuan sik leh sa hi
	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik
	3		ani.
		m Em	🛂 Tomato hi a uai a, a thih mai loh nan
			Ridomil emaw Indofil emaw Mancozeb
		(4 20)	@ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole	Black spot		4 A than a that theih nan nikhat danah
crop	disease	-0	tui pek thin tur ani.
	3323 3443 3	Laurence and	♣ Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		(SAINA	zawhah dah tur ani.
			Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		200	sa vangin a iman an um uum rawii

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	5	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	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	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).	Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAN	 ♣ 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		 ♣ Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. ♣ Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	 ♣ Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
	},,,,,,,,	4 th weeks	Coccidiosis - Amprolium or coccidiostat
	T MADMIT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	3,	(AIZAVIL	CHAMPAL
	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.
	1	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.
		Parl J	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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SAIHA

LAWNGTLAL

CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Aizawl Period: 27 May - 31 May, 2017

Date of issue: 26th May, 2017 Bulletin No: - 704/2017/ Bulletin/English

	0.00		5		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	4	5	6	10
Max Temp (°C)	31	31	32	32	29
Min Temp (°C)	16	17	17	17	16
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	94	92	96	98
Min RH (%)	40	49	52	58	69
Wind Speed (KmpH)	3	2	2	2	3
*Wind Direction	S-E	E	E	E	S

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

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

Champhai- 105.48mm Aizawl- 384.87mm (359.89mm)(430.2mm)

Saiha- 307.40 mm Kolasib- 236.00mm (507.7mm)

Lawngtlai-291.20mm

Lunglei-326.00mm **Mamit-204.87mm**

(428.1mm)Serchhip-411.72mm

(453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

Maximum Tem. (°C):29-31°C Minimum Tem. (°C):20-22°C Maximum RH (%):98-99% Minimum RH (%):72-88% Wind Direction: Southeasterly Cloud cover: Mainly clear

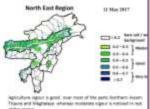
Wind speed: 2-3 km/hr

Rainfall: 08.4 mm

There are chances of moderate to light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 16-17°C. Maximum relative humidity is expected in the range of 92-98% and minimum may from 40-69%. Wind direction would be southeasterly to easterly with the wind speed of 2-3 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 25.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	(5)	♣ 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
COAD EDILO		/	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)
		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.
	Į.		# 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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		13		g or dimethoate 2 ml/lt of water.
Pineapple	Flowering stage	KOLASIB	#	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	OP			
COFFEE	Blooming stage	SERCHH 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.
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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



OPPEALS, AND		KOLASIB	4	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		W-1	_m	Water level shall be maintained for
Pre Kharif Rice	Transplanting stage			better transplant.
Ricc	Stage			Plough the field two to three times.
	1	5		According to weather forecast next five
	2			days rainfall possibility is less so make
	/ MAMIT	(a bun around the field and close all out
	- No.	LAIZAVAL I		late for well maintenance of water in
	1	3		the field.
)	3		Transplant 2-3 seedlings in one place for avoid gap filling.
	1	100		Spacing should be 20 cm row to row
	1	1 3 1		and 15 cm plant to plant.
	10 50			Keep some seedlings in nursery or
		огрени		corner of the field for gap filling.
Jhum Rice	Germination	~		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
	A.			to conserve soil moisture.
		LUNGLEI		If possible use straw mulch/ grass
	3			mulch in row to prevent soil loss and
		Co.		better growth of plant.
Maize	Vegetative	11 (>		According to forecast probability of rain
(Jhum)	stage			will be less and temperature will be high, so mulching should be done with
		100		dry grasses near base of the tree/ plant
		1 65 4		to conserve soil moisture.
				Earthing up soil for better growth and
		LAWNGTLAN		stability in root zone.
		SAIHA		Don't use split dose of any nitrogenous
		(-	fertilizer for better growth.
		1		If possible use straw mulch/ grass mulch in row to prevent moisture loss
	<u> </u>	0 0		mater in tow to prevent moisture loss

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			and better growth of plant.
VEGETABLE CR	OP		<u> </u>
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	AIZAWIL	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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			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.
ANIMAL INICOD	ND 4 DV	T	♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
Pig	All stages	12 (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
	MAMIT	AIZAWAL	maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	35	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	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, Foot Mouth Disease, Duck Plague.
Poultry	Litter management	LAWNGTLAY SAIHA	 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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days of birth and R ₂ B vaccine for a birds. B complex with antibodies Coccidiosis- Amprolium coccidiostat 4-5th Weeks Calcium tonic fortified with B ₁₂ FISHERY Pond preparation Application of fertilizers/manure he in development of plankton which s as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied in a spilt doses. Single super phosphate should als applied at the rate of 250 kg/ha in pond. After one week of applicate development of planktons could observed in the pond depending on colour of the water. Yellowish goolour is an indicator of the golankton development.		10		make sudden changes in feed
birds. B complex with antibodies Coccidiosis- Amprolium coccidiostat 4-5th Weeks Calcium tonic fortified with B ₁₂ FISHERY Pond preparation Application of fertilizers/manure hear in development of plankton which see as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/yone third of the total dose should applied in a spilt doses. Single super phosphate should alse applied at the rate of 250 kg/ha in pond. After one week of application of the water. Yellowish goolour of the water. Yellowish goolour is an indicator of the glankton development.	Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
# B complex with antibodies # Coccidiosis- Amprolium coccidiostat # Calcium tonic fortified with B ₁₂ # Calcium tonic fortified with B ₁₂ # Application of fertilizers/manure h in development of plankton which s as natural feed for the fishes. # Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y. One third of the total dose should applied in a spilt doses. # Single super phosphate should also applied at the rate of 250 kg/ha in pond. # After one week of application of fertilizers manure has a natural feed for the fishes. # Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y. One third of the total dose should applied in a spilt doses. # Single super phosphate should also applied at the rate of 250 kg/ha in pond. # After one week of application of the water. Yellowish goolour of the water. Yellowish goolour is an indicator of the golankton development.	measures	5		days of birth and R ₂ B vaccine for adult
## Coccidiosis- coccidiostat 4-5th Weeks Calcium tonic fortified with B ₁₂ FISHERY Pond preparation 3rd_4th weeks Application of fertilizers/manure h in development of plankton which s as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should als applied at the rate of 250 kg/ha in pond. After one week of applica development of planktons could observed in the pond depending on colour of the water. Yellowish g colour is an indicator of the g plankton development.	()	6		
Transparence of the water, Yellowish good of the water, Yellowish good of the water, Yellowish good of the gap plankton development. Transparence of the weeks of application of the water, yellowish good of the water.) V	1		
Pond preparation Pond preparation 3rd_4th weeks Application of fertilizers/manure h in development of plankton which s as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied initially and the rest may applied in a spilt doses. Single super phosphate should als applied at the rate of 250 kg/ha in pond. After one week of application of fertilizers/manure h in development of planktons could observed in the pond depending on colour of the water. Yellowish g colour is an indicator of the g plankton development.		4 th weeks	4	Coccidiosis- Amprolium or
Pond preparation Pond preparation 3rd-4th weeks in development of plankton which so as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of application development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the splankton development.	y.	TOTAL PROFES	V-	coccidiostat
Pond preparation Application of fertilizers/manure h in development of plankton which s as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the splankton development. Transportation)	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
in development of plankton which sas natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the splankton development.	ISHERY	201		3
as natural feed for the fishes. Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the splankton development.	Pond	3rd-4th weeks	4	Application of fertilizers/manure helps
Raw cowdung should be applied in pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should alsapplied at the rate of 250 kg/ha in pond. After one week of applicate development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the gold plankton development.	preparation	5		in development of plankton which serve
pond at the rate of 10 tonnes/ha/y One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicate development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the splankton development.				
One third of the total dose should applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the applankton development.	/ MAMIT	(4	
applied initially and the rest may applied in a spilt doses. Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the applankton development.	5	A P P P A P A P A P A P A P A P A P A P	CALL	
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Single super phosphate should also applied at the rate of 250 kg/ha in pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the splankton development.	\)		
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pond. After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the plankton development.			-	
After one week of applicated development of planktons could observed in the pond depending on colour of the water. Yellowish go colour is an indicator of the plankton development.	3			
development of planktons could observed in the pond depending on colour of the water. Yellowish g colour is an indicator of the plankton development.	1)		4	
observed in the pond depending on colour of the water. Yellowish g colour is an indicator of the plankton development.		SERCH	P	development of planktons could be
colour of the water. Yellowish g colour is an indicator of the plankton development.		V land		
colour is an indicator of the guarantees of the mater people to				
plankton development.				colour is an indicator of the good
Transportation and the restor people to				
		1 (10/21 F)	4	Transparency of the water needs to be
maintained at 30-40 cm.		F4/2/4944	Y	maintained at 30-40 cm.

LAWNGTLAL

SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

CHAMPAI

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District: Aizawl Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/Mizo

	0.00	Tr.	5		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	0	4	5	6	10
Max Temp (°C)	31	31	32	32	29
Min Temp (°C)	16	17	17	17	16
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	96	94	92	96	98
Min RH (%)	40	49	52	58	69
Wind Speed (KmpH)	3	2	2	2	3
*Wind Direction	S-E	F.	F.	E.	S

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

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

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: 26th 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):29-31°C Minimum Tem. (°C):20-22°C

Maximum RH (%):98-99% Minimum RH (%):72-88%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

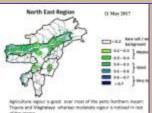
Rainfall: 08.4 mm

27th May– 31st May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 4 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 16-17°C ni tura beisei a ni. RH san lai berin 92-98% leh a hniam lai berin 40-69% 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: 25.0mm

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		Discases	
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)	53	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		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang
	35	canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	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	LAWNGTLAY SAIHA	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	Harvesting Stage
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
) \ \	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	構 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		4 Seng bang zawng zawng chu uluka taka
	f.		paih fai vek tur ani.
		37	4 A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	/ MAMIT	X 7	🖊 Hmun dam lutukah dah loh tur.
	9	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.
	A.	S	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	100	EC @ 340 ml/200 lit emaw lamda
) 0		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	C-ff- De-t	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh a
		Coffee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
		- 33	March (Pre-bloom) a kah phawt a,
	1	AND A CONTRACTOR	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PILSE CROPS		monoonj an kan emianzawin tar am.
Rabi Maize	A chin hun	574	♣ Vaimim chinna tur atan lei kan let
Rabi Maize	11 CHIH HUH	11 (2	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
		(by se	
			a pui dawn a ni.
		1 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		A comment of the	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	= 10 10 110/110 101 0 0111 0111011 111 0 00111
		1	vel viau ani.
		L A	♣ A chi tuh hma in lei leh FYM @5-10
		W 12 (t/ha leh 80:60:40 kg N, P_2O_5 leh
		VIV	3 Page

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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	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			1 70 , 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	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	KOLASJE	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	LAWNGTLAN	 ♣ A than a that theih nan nikhat danah tui pek thin tur ani. ♣ Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. ♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. ♣ Thlai hna lam chi leh zikhlum lam 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
	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
	T MADNIT	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 LAWNOTT 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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District: Champhai Period: 27 May - 31 May, 2017

Date of issue: 26th May, 2017 Bulletin No: - 704/2017/ Bulletin/English

Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	6	7	9	12	15
Max Temp (°C)	33	31	32	30	26
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	94	94	92	97	98
Min RH (%)	39	49	56	70	75
Wind Speed (KmpH)	3	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S
				The second secon	

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 (507.7mm)(428.1mm)

(359.89mm)(430.2mm)Lawngtlai-291.20mm Lunglei-326.00mm

Mamit-204.87mm Serchhip-411.72mm

(465.14mm)(453.1mm)(442.80 mm)(259.62mm)

Weather summary of the past three days

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

Maximum Tem. (°C):30-31°C Minimum Tem. (°C):16-20°C Maximum RH (%):98-99% Minimum RH (%):59-85% Wind Direction: Southeasterly Cloud cover: Mainly clear

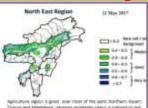
Wind Speed: 2-4 km/hr

Rainfall: 15.3 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 26-33°C and 22-23°C. Maximum relative humidity is expected in the range of 92-98% and minimum may from 39-75%. Wind direction would be southeasterly to easterly to southeasterly and southerly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 49.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Cron/	Storo	Cultural	Agricultural / Hosticultural / opimal
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		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	- (Fruit plant should be planted in a
		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
	l l		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
)	ENGOSES.	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	LINGSTAIN	♣ Trail semi hard wood stem to bower
	stage	LAWNGTLAN	atm atm
		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.
			♣ Young vines are trained to grow along
		/	the wire support of the trellises.
	7 /	Aphid	♣ Apply insecticide like imidacloprid 0.5
		V parameter (ml or phosolone 1.5 ml or acephate 1.0
	J.	KOLASIB	g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	44	4 Apply flowering inducing chemica
	stage	7 4 /	(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
	1	1	only when plants have at least 32
	S www.		leaves.
	J. MAUNTE	1	The flowering emergence will come ou
	7.	LAIZAWA I	after 55-60 days after chemica
			spraying.
)	1	Apply split doses of fertilizer @ 60
	1	al	50:60 g per plant.
	1		Remove all unwanted leaves, branches
PLANTATION CR	OR		and weed near to the plant.
COFFEE			According to forecast probability of rain
COFFEE	Blooming	SERCHN	will be less and temperature will be
	stage	Marin Company	high, so mulching should be done with
			dry grasses near base of the tree/ plan
	1		to conserve soil moisture.
	d		♣ Irrigation of plants at alternate day's
		LUNGLEI	
			interval, 6 weeks before harvesting
	3	- TANKS TO THE STATE OF THE STA	interval, 6 weeks before harvesting improves fruit retention and fruit
	3		· ·
	1	a &	improves fruit retention and frui
	1	A F	improves fruit retention and frui development, and reduces frui
	1		improves fruit retention and frui development, and reduces frui cracking and improves the fruit quality
	1	N	improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality Mulching should be done with drugrasses near the tree base to conserve soil moisture during winter.
	3	No	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.
	1	M	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
	1	A LAWNGTLAN	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	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
			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%
		LAWNGTLAN	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	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		4	According to forecast probability of rain
				will be less and temperature will be
				high, so mulching should be done with
		1		dry grasses near base of the tree/ plant
	1) 1	3	_	to conserve soil moisture.
	1 3	KOLASIB	-	Clearing operation may be done during
	1	The state of the s	X.,	the month of February to April.
)	an 1		Make fire line to protect the young tree
	(1 1	_	and seedlings. 10-12 kg of well rotten organic manure
	- 7		-	and 225 gm rock phosphate should be
	f.	(apply at time of planting to each pit as
	-J	11		basal dose application.
CEREALS AND I	PULSE CROPS			and approximation.
Pre Kharif	Transplanting	LAIZAVAL I	4	Water level shall be maintained for
Rice	stage	CONTENTAL !		better transplant.
	Υ)		Plough the field two to three times.
	100	6 9	4	According to weather forecast next five
				days rainfall possibility is less so make
	12 (a bun around the field and close all out
	1)			late for well maintenance of water in
		SERCHN	i F	the field. Transplant 2-3 seedlings in one place
	1	V	-	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
		LUNGLEL		corner of the field for gap filling.
Jhum Rice	Germination	TANCHARRI	4	According to forecast probability of rain
	stage	Co.		will be less and temperature will be
		17 (~~		high, so mulching should be done with
				dry grasses near base of the tree/ plant
	Ų.	1 35 10	eto	to conserve soil moisture.
			-	If possible use straw mulch/ grass
		-9		mulch in row to prevent soil loss and
Maize	Vegetative	Transportation and	4	better growth of plant. According to forecast probability of rain
(Jhum)	Vegetative	LAWNGTLAN	-	will be less and temperature will be
(onum)	stage	SAIHA		high, so mulching should be done with
				dry grasses near base of the tree/ plant
		1 = 1		to conserve soil moisture.
		6 M	4	4 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.
	7	2	4	If possible use straw mulch/ grass
		7		mulch in row to prevent moisture loss
	1	KOLASIB	0	and better growth of plant.
VEGETABLE CR	OP			3
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	1	4	Earthing up soil for better growth and
	(1772-17 T.)		-2	stability in root zone.
	1	(ATZAVVIL.	4	Don't use split dose of any nitrogenous
	l l	1		fertilizer for better growth.
		5	4	If possible use straw mulch/ grass
	1	1 64		mulch in row to prevent moisture loss
		1		and better growth of plant.
Okra	Vegetative		4	According to forecast probability of rain
ORIA				will be less and temperature will be
	stage	SERCHN	Ι÷	high, so mulching should be done with
	1	V		dry grasses near base of the tree/ plant
				to conserve soil moisture.
				Earthing up soil for better growth and
	J			stability in root zone.
		172000000	_	Don't 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	3	and better growth of plant.
Cincon and	Corrier store		4	Rhizome should be treated with Thiram
Ginger and	Sowing stage	1	-	@4 g/kg seed.
turmeric	, i		-10	
		1	-	Use optimum seed rate (50-60 kg/ha)
		THE PARTY OF THE P	_	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_2O_5 and K_2O/ha
			2	incorporate with soil before sowing.
		2 5		Half nitrogen dose will use at the time
		1		

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			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
		KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	NOLWOOD .	between and within rows in the pits.
	1	66	Inorganic fertilizer like Urea, SSP and
	1	7 2 7	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages	2 5	4 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
		WWW.mesettl	interval
Cattle	All age group	LUNGLEI	4 During either hot or heavy rainy
	1		condition, animal are advised to keep
		500	under shade.
		17	
			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	WHO WAY SHOW IN	feed to meet their nutritional
		LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			4 Good management and sanitation are
		A A	the best ways to avoid infectious
		W 17 (disease in poultry.
		1	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		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
ζ	4 th 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.
	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	}

LAWNGTLAL

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/Mizo

	0.00		5.		
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	6	7	9	12	15
Max Temp (°C)	33	31	32	30	26
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Mainly clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	94	94	92	97	98
Min RH (%)	39	49	56	70	75
Wind Speed (KmpH)	3	2	2	2	2
		· ·			

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

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

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

Date of issue: 26th May, 2017

(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):30-31°C

Minimum Tem. (°C):16-20°C Maximum RH (%):98-99%

Minimum RH (%):59-85%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind Speed: 2-4 km/hr

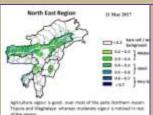
Rainfall: 15.3 mm

27th May– 31st 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 26-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 92-98% leh a hniam lai berin 39-75% 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: 49.0mm

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
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	LAWNGTLAL	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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		17	Harvesting Stage
			4 Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
		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
		SERCHH	
		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.
		A CONTRACTOR OF THE PARTY OF TH	♣ 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			* * * * * * * * * * * * * * * * * * *
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 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		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	CHA	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: Kolasib Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/English Date of issue: 26th May, 2017

Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	3	0	0	0	9
Max Temp (°C)	33	32	34	33	31
Min Temp (°C)	23	23	24	24	24
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	95	91	90	94	97
Min RH (%)	41	52	52	53	68
Wind Speed (KmpH)	3	2	2	2	4
*Wind Direction	S-E	E	E	E	S

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

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

Aizawl- 384.87mm Champhai- 105.48mm Saiha-

Saiha- 307.40 mm Kolasib- 236.00mm (507.7mm) (428.1mm)

(430.2mm) Lawngtlai-291.20mm (359.89mm) Lunglei-326.00mm (465.14mm)

Mamit-204.87mm Serchhip-411.72mm

(259.62mm)

Weather summary of the past three days

(453.1mm)

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

(442.80 mm)

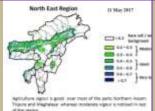
Maximum Tem. (°C): 29-32°C Minimum Tem. (°C):22-24°C Maximum RH (%):94-97% Minimum RH (%):63-71% Wind Direction: Southeasterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

Rainfall: 08.0 mm

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 31-34°C and 23-24°C. Maximum relative humidity is expected in the range of 90-97% and minimum may from 41-68%. Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 12.0 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/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
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	}	3	Fruit plant should be planted in a sunny and wind-protected area.In the citrus belt, trees can be planted
STAR FRUIT	MAMIT	10000	at any time, however, spring is the best time for container grown plants. Standard-size trees should be spaced
PLUM AND PEACH	1	AIZAWA	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
		SERCHH	the distance. 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.
	3	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
Passion Fruit	Vegetative stage	TIN	@0.6 g/lt of water. Trail semi hard wood stem to bower structure Clean near the base of the plant.
		LAWNGTLAN	 ♣ In dry spell apply mulch with grass. ♣ Trellises are in the north-south direction to minimize the shades during early morning and late evening. ♣ Young vines are trained to grow along

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				the wire support of the trellises.
		Aphid	4	Apply insecticide like imidacloprid 0.5
		-		ml or phosolone 1.5 ml or acephate 1.0
	100			g or dimethoate 2 ml/lt of water.
Pineapple	Flowering	1	4	Apply flowering inducing chemical
	stage	V comments ((Ethrel 10 PPM+2% urea+0.04%
	J	KOLASIB	V.	Sodium Carbonate) should be applied
	1	60		in the heart of the plant. In evening and
	/	1 4 1		only when plants have at least 32
	7			leaves.
	1	7	-	The flowering emergence will come out
		3		after 55-60 days after chemical
	MAMIT		_	spraying.
	T inscours	1	-	Apply split doses of fertilizer @ 60:
	3.0	LAIZAVIL I	CHI	50:60 g per plant. Remove all unwanted leaves, branches
			_	and weed near to the plant.
PLANTATION CF	ROP	.)		and weed hear to the plant.
COFFEE	Blooming	101	4	According to forecast probability of rain
	stage	V 1 1		will be less and temperature will be
	beage			high, so mulching should be done with
		SERCHN	1=	dry grasses near base of the tree/ plant
		1		to conserve soil moisture.
	7		4	Irrigation of plants at alternate day's
				interval, 6 weeks before harvesting
				improves fruit retention and fruit
	1	A ALCOHOL STATE OF THE STATE OF		development, and reduces fruit
		LUNGLEI		cracking and improves the fruit quality. Mulching should be done with dry
	1			grasses near the tree base to conserve
	L.	- En	-	soil moisture during winter.
		16	4	The young fruit plant must be irrigated
		P \(\(\) \		at weekly interval for better
				establishment.
	l l) F3 Y	4	Foliar application of Mepiquat chloride
		4		@ 1000 PPM concentration or 0.75%
		LAWNGTIAL		SSP @ 1.5 g per 200 lt of water 15 days
		SAIHA		interval.
Rubber	Nursery stage		-	According to forecast probability of rain
			0	will be less and temperature will be
		m 5 (m		high, so mulching should be done with
			1	3 P a σ e

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	1	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
CEREALS AND	PIILSE CROPS			basal dose application.
Pre Kharif Rice	Transplanting stage	AIZAWL	##	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 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. common 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	1.7744	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	l÷.	Earthing up soil for better growth and
			_	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
				and better growth of plant.
Ginger and	Sowing stage	500	7	Rhizome should be treated with Thiram @4 g/kg seed.
turmeric		17	4	Use optimum seed rate (50-60 kg/ha)
			A	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	0 0	-	Training is done wen prepared land of

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			1, 614 4 1,4 277 5 (4.0 4 27) 1 (5.1
ANIMAI IIIODEN	JDADY.		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 HUSBEN			
Pig	All stages	LAIZAWA.	 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).	T. Culling of positive pigs of pigiets.
	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	5		days of birth and R ₂ B vaccine for adult
1	1	_	birds.
) \	1	4	B complex with antibodies
	4 th weeks	4	Coccidiosis- Amprolium or
J.	KOLASIB	V.	coccidiostat
)	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	11		3
Pond	3rd-4th weeks	4	Application of fertilizers/manure helps
preparation	5		in development of plankton which serve
- 2			as natural feed for the fishes.
) MAMIT	(4	Raw cowdung should be applied in the
5	A AZAVAL	rist.	pond at the rate of 10 tonnes/ha/year.
1	Comments.	11.11	One third of the total dose should be
Y.)		applied initially and the rest may be
1	6 7	•	applied in a spilt doses.
- 1		-	Single super phosphate should also be
2 (applied at the rate of 250 kg/ha in the pond.
)		4	After one week of application
	SERCHN	₽	development of planktons could be
1	V		observed in the pond depending on the
(colour of the water. Yellowish green
1		17	colour is an indicator of the good
		-3	plankton development.
	LUNGLEI	4	Transparency of the water needs to be
	roldores.	1	maintained at 30-40 cm.
		-1	

LAWNGTLAL

SAIHA

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SAIHA

LAWNGTLAL

CHAMPAI

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District: Kolasib Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/Mizo

Date of issue: 26th May, 2017

Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	3	0	0	0	9
Max Temp (°C)	33	32	34	33	31
Min Temp (°C)	23	23	24	24	24
Cloud Coverage	Clear sky	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	95	91	90	94	97
Min RH (%)	41	52	52	53	68
Wind Speed (KmpH)	3	2	2	2	4
*Wind Direction	S-E	E	E	E	S

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

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

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): 29-32°C Minimum Tem. (°C):22-24°C

Maximum RH (%):94-97% Minimum RH (%):63-71%

Wind Direction: Southeasterly

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

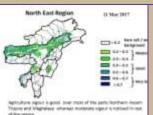
Rainfall: 08.0 mm

27th May- 31st May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-34°C a ni ang a. A vawh lai ber in 23-24°C ni tura beisei a ni. RH san lai berin 90-97% leh a hniam lai berin 41-68% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 12.0mm

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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			Homzosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	1	6	4 A rah hmin tha lo ho chu nuai sawm
	1) \		hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	4	f.	4 Hmaih neih nuaih loh tur ani.
)	ary)	4 Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	4		4 Seng bang zawng zawng chu uluka taka
	- 1	7	paih fai vek tur ani.
			👃 A thlai vennan a rah tlai ho chu paih vek
	S man		tur ani.
	I MAMIT	1	🖶 Hmun dam lutukah dah loh tur.
	9	LAIZAWAL I	4 Boruak tha taka a hmuh theih nan leh a
	1	Comments.	rawn chawr no theih nan thlai chu uluk
	\	5	tak a hlawi tur ani.
	1	S	4 Chuan hei hian kah tur ani. Quinalphos 25
	1	2 7	EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1		In leh loa sawngbawln a a ro dan tur
	11		tawkah chuan: Arabica / robusta
		SERCHN	
	1	V~	robusta cherry 11.0 %.
	(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	X	111741110a2-e8111	March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALS AND PU	CE CDODC		monsoon) ah kah chhunzawm tur ani.
Rabi Maize	A chin hun	Charles	1 Voimin chinno tun atau lai laur lat
Rabi Maize	A CHIH HUN	14	♣ Vaimim chinna tur atan lei kan let
			phut darh anga.
	Vi	W 50	Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		1 50 4	4 A chi chu kan lei leh saah chuan kan
		A 3	dah ang.
		A CONTRACTOR OF THE PARTY OF TH	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	
		1 1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		2 5	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			T 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	KOLASJE	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	LAWNGTLAN	 ♣ A than a that theih nan nikhat danah tui pek thin tur ani. ♣ Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. ♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. ♣ Thlai hna lam chi leh zikhlum lam 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
	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
	T MADNIT	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 LAWNOTT 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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LAWNGTLAL

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



District: Lawntlai Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/English Date of issue: 26th May, 2017

Daniel danie	07.05.0017	00 OF 0017	00 OF 0017	00 OF 0017	01 05 0017
Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	3	0	7	14	7
Max Temp (°C)	33	32	31	30	28
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	95	91	91	95	96
Min RH (%)	38	41	44	73	61
Wind Speed (KmpH)	3	4	4	4	4
*Wind Direction	E	E	S-E	N-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 Saih

Saiha- 307.40 mm (507.7mm)

Kolasib- 236.00mm (428.1mm)

(430.2mm) Lawngtlai-291.20mm (359.89mm) Lunglei-326.00mm

Mamit-204.87mm

Serchhip-411.72mm

(453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):28-31°C

Minimum Tem. (°C):20-22°C Maximum RH (%):92-96% Minimum RH (%):72-85% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-4 km/hr

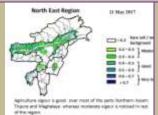
Rainfall: 00.0 mm

Weather forecast valid from 27th May, 2017 To 31st May, 2017.

There are chances of rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 28-33°C and 22-23°C. Maximum relative humidity is expected in the range of 91-96% and minimum may from 38-78%. Wind direction would be easterly to southeasterly to northeasterly and southeasterly with the wind speed of 3-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 31.0 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
	1	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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			direction to minimize the shades during early morning and late evening.
			♣ Young vines are trained to grow along
		/	the wire support of the trellises.
	7 (Aphid	4 Apply insecticide like imidacloprid 0.5
		V common d	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	7 4 7	(Ethrel 10 PPM+2% urea+0.04%
	7		Sodium Carbonate) should be applied
	1	2 5	in the heart of the plant. In evening and
	1		only when plants have at least 32
	3		leaves.
	MADMIT	X /	The flowering emergence will come out
	7	LAIZAWAL I	after 55-60 days after chemical
		3	spraying.
)	1	Apply split doses of fertilizer @ 60:
	1	al	50:60 g per plant.
	- 1		Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR	OP		and weed hear to the plant.
COFFEE	Blooming		According to forecast probability of rain
COFFEE	stage	SERCHN	will be less and temperature will be
	stage		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
	- 1	22	development, and reduces fruit
	. 1	17	cracking and improves the fruit quality.
			# Mulching should be done with dry
		1 25 6	grasses near the tree base to conserve
			soil moisture during winter.
		1 -3	The young fruit plant must be irrigated
			at weekly interval for better establishment.
		LAWNGTLAN	# Foliar application of Maniquet chlorida
		# SAIHA	- Fonai application of Mepiqual Cillonde
		7 SAIDA	@ 1000 PPM concentration or 0.75%
		SAINA	\underline{w} 1000 PPM concentration or 0.75%
		SAINA	@ 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	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
	d	1	basal dose application.
CEREALS AND I			****
Pre Kharif Rice	Transplanting stage	SERCHNIF	 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
		LUNGLEI	corner of the field for gap filling.
Jhum Rice	Germination stage	n &	According to forecast probability of rain will be less and temperature will be high, so mulching should be done with
		Mr.	dry grasses near base of the tree/ plant to conserve soil moisture. If possible use straw mulch/ grass
		-0	mulch in row to prevent moisture loss
Maize (<i>Jhum</i>)	Vegetative stage	LAWNGTLAL	and better growth of plant. 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
		1 = 1	to conserve soil moisture.

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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
	stage			will be less and temperature will be
	Stage			high, so mulching should be done with
	1			dry grasses near base of the tree/ plant
		1		to conserve soil moisture.
	2 MAMIT	1	4	Earthing up soil for better growth and
	2 100-1100	1	-2	stability in root zone.
	30	L ATZAVVIL	4	Use split dose of any nitrogenous
	l l	2 1	_	fertilizer for better growth.
	1		4	If possible use straw mulch/ grass
	10	3 0 6	_	mulch in row to prevent moisture loss
	1			
01	77		- In	and better growth of plant.
Okra	Vegetative			According to forecast probability of rain
	stage	SERCHN	ΙĒ	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.
	Ji		-	Earthing up soil for better growth and
		DOMESTIC STATE OF THE PARTY OF	-	stability in root zone.
		LUNGLEI	*	Use split dose of any nitrogenous
	3			fertilizer for better growth.
		5~		If possible use straw mulch/ grass
	. 7	17	1	mulch in row to prevent moisture loss
			(1)	and better growth of plant.
Ginger and	Sowing stage	1 7 6	+	Rhizome should be treated with Thiram
turmeric	1		1	@4 g/kg seed.
		20	-	Use optimum seed rate (50-60 kg/ha)
				for desire plant population.
		LAWNGTLAN	-	Apply well decomposed FYM/ pig
		SAIHA		manure @ 10-20 t/ha along with
				120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
			parts.	incorporate with soil before sowing.
		A S	- 1	Half nitrogen dose will use at the time
		Ca Call		

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			0 1 1 1 2 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
		KOLASIB	5-7 deep at a spacing of 40-50 cm
	1	NOLWOOD .	between and within rows in the pits.
	1	Lo.	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	LAIZAVVL 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
		MANUAL MA	interval
Cattle	All age group	LUNGLEI	♣ During either hot or heavy rainy
		_	condition, animal are advised to keep
		5	under shade.
	- 7	17	♣ 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 second second second	feed to meet their nutritional
		LAWNGTLAN	requirements and an adequate supply
		SAIHA	of good-quality water.
			♣ Good management and sanitation are
		A A	the best ways to avoid infectious
		N R	disease in poultry.
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		Provide ample quantity of clear drinking water.
		Avoid feeding of mouldy feed. Don' 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 adulbirds. ♣ B complex with antibodies
4	4 th weeks	Coccidiosis- Amprolium or coccidiostat
1	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.
	SERCHI	 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.
3	LUNGLEI	 After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish greer colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.
	[W	}

LAWNGTLAL

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



District: Lawngtlai Period: 27 May - 31 May, 2017

Bulletin No: - 704/2017/ Bulletin/Mizo

Parameters	27.05.2017	28.05.2017	29.05.2017	30.05.2017	31.05.2017
Rainfall (mm)	3	0	7	14	7
Max Temp (°C)	33	32	31	30	28
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	95	91	91	95	96
Max RH (%) Min RH (%)	95 38	91 41	91 44	95 73	96 61
• •					

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

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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):20-22°C Maximum RH (%):92-96% Minimum RH (%):72-85% Wind Direction: Easterly Cloud cover: Mainly clear

Rainfall: 00.0 mm

Wind speed: 2-4 km/hr

27th May- 31st May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Date of issue: 26th May, 2017

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 91-96% leh a hniam lai berin 38-78% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 31.0mm

NDVI for Mizoram

North East Region

11 May 1917

1-22 Ass out / se inchesses inches

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
PEACH	\	3	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR			
COFFEE	All stages	LAWNGTLAUSAIHA	Nursery stage ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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	1	Harrosting Stage
		Harvesting Stage
		Coffe rah hmin hi thlasik laiin an seng
	-	thin a ni.
()	6	♣ A rah hmin tha lo ho chu nuai sawm
- X	2	hmain an thliar hrang leh vek thin ani.
1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	borer	ani.
4	f., S	4 Hmaih neih nuaih loh tur ani.
)	way)	♣ Sneg hmaih te lakkhawma paih vek tur
	1 1	ani.
4		Seng bang zawng zawng chu uluka taka
E.	3	paih fai vek tur ani.
	20	👃 A thlai vennan a rah tlai ho chu paih vek
N manage		tur ani.
J' MAINIT	1	🖊 Hmun dam lutukah dah loh tur.
5	LAIZAVAL I	4 Boruak tha taka a hmuh theih nan leh a
1	Commence 1	rawn chawr no theih nan thlai chu uluk
\.	1	tak a hlawi tur ani.
No.	(4 Chuan hei hian kah tur ani. Quinalphos 25
1	1 5	EC @ 340 ml/200 lit emaw lamda
1	1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
((In leh loa sawngbawln a a ro dan tur
1)		tawkah chuan: Arabica / robusta
	SERCHN	
	1	robusta cherry 11.0 %.
(Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		dang te paihpaih vek tur ani.
10		Bordeaux mixture 0.5% in February -
	CONTRACTOR OF THE PARTY OF THE	March (Pre-bloom) a kah phawt a,
	LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
EDEALS AND DILLSE CDORS	LANGERS IN I	monsoon) ah kah chhunzawm tur ani.
EREALS AND PULSE CROPS		1 Voiming chings too star 1: 1: 1: 1:
Rabi Maize A chin hun	10	♣ 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	4 A chi chu kan lei leh saah chuan kan
	0 3	dah ang.
		♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAN	sawngbawl hmasa anga.
	F SAIHA	
	1	vel viau ani.
		♣ A chi tuh hma in lei leh FYM @5-10
	20 1	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
The state of the s		TO THE TOTAL TOTAL CONTROL IN TAREST TO THE TAREST TOTAL TOTAL TOTAL CONTROL IN THE TAREST TOTAL TOTAL CONTROL IN THE TAREST TOTAL CONTROL TO THE TAREST TOTAL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CON

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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			1 70 , 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	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	KOLASJE	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	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. Vawkhote 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	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			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
	1	4 th weeks		Coccidiosis- Amprolium or coccidiostat
	MAMI	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3,	(AIZAVIL	CHI	AMPAI:
	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	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 LAWNSTI 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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