

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

S-E

	1995	E.	1.6		
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	3	7	7	16	28
Max Temp (°C)	31	31	32	32	29
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Mainly clear				
Max RH (%)	92	96	98	97	96
Min RH (%)	38	37	38	42	60
Wind Speed (KmpH)	2	3	3	3	4

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- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

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

S-E

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

(428.1mm)

S-E

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

Weather summary of the past three days

Maximum Tem. (°C):28-29°C T Minimum Tem. (°C):17-18°C d

Maximum RH (%):79-98%
Minimum RH (%):46-67%
Wind Direction: Southeasterly

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

Rainfall: 75.8 mm

*Wind Direction

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

Date of issue: 09th May, 2017

There are chances of heavy to moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 13-14°C. Maximum relative humidity is expected in the range of 92-98% and minimum may from 38-60%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 61.0 mm

Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KOLKOID	In the citrus belt, trees can be planted
LIME	Stage	AL AL	at any time; however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	T manner	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
PLUM AND	3	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH		1	trees on a slight mound to
	A.	1 66	prevent water logging.
		1 3 15	Mulching should be done with dry
	W. (grasses near the tree base to conserve
	1.2	1	soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	*	(~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	D1	ml/lit of water) at each flush
		(B A	emergence.
			Citrus Canker - Apply bacterimycin
		2	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAL	quality fruits and free of virus diseases
	20050	# SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		F) (beds.
		N	2 Page

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## Stage Stage (Ethrel 10 PPM+2% urea+0.04 Sodium Carbonate) should be applie in the heart of the plant. In evening are only when plants have at least 3 leaves. The flowering emergence will come of after 55-60 days after chemic spraying. Apply split doses of fertilizer @ 6 50:60 g per plant. Remove all unwanted leaves, branche and weed near to the plant. PLANTATION CROP If day temperature and prolong dispell occur it lead to Florabnormalities like "Star Flower" Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day interval, 6 weeks before harvestin improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with digrasses near the tree base to consersion moisture during winter. The young fruit plant must be irrigated at weekly interval for bette establishment. Foliar application of Mepiquat chlorice. Foliar application of Mepiquat chlorice		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
SAIHA Blooming stage # If day temperature and prolong dispell occur it lead to Flor abnormalities like "Star Flower" in Robusta. # Irrigation of plants at alternate day interval, 6 weeks before harvestir improves fruit retention and fruit development, and reduces fruit reacking and improves the fruit quality. # Mulching should be done with disgrasses near the tree base to conservation soil moisture during winter. # The young fruit plant must be irrigated at weekly interval for bette establishment. # Foliar application of Mepiquat chloride.	stage MAMIT	AIZAWL	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
	Bloomi <mark>ng</mark>	LAWNGTLAL	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. 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

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				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		V commence (4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
	1	Le S	339	apply at time of planting to each pit as
	7	7 2 7		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting	2 5	-	Water level shall be maintained for
Rice	stage			better transplant.
	Sugar			Plough the field two to three times.
	J MAMIT	4	-	According to weather forecast next five
	3	(AIZAVIL)	3	days rainfall possibility is less so make
				a bun around the field and close all out
		3		late for well maintenance of water in the field.
	1	1 6 6	4	Transplant 2-3 seedlings in one place
	\ _	1 1 31		for avoid gap filling.
	1 0		4	Spacing should be 20 cm row to row
	1.1	penguu		and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
	N. Control	W Neg		corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage	N		possibility of moderate rainfall is very
		000000 ACCESS		high. So drainage channel around the
		LUNGLEI	_	field should be maintained.
	7		-	If possible use straw mulch/ grass
		5		mulch in row to prevent soil loss and
Maize	Vegetative		<u>ं</u>	better growth of plant. According to weather forecast
(Jhum)	Vegetative	PA	_	possibility of moderate rainfall is very
(Onuni)	stage	120 [high. So drainage channel around the
	N N	1 53 9		field should be maintained.
		Y	4	Earthing up soil for better growth and
		LAWNGTLAN		stability in root zone.
		SAIHA	4	Don't use split dose of any nitrogenous
		SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
			1	mulch in row to prevent moisture loss
			MT .	

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Cowpea Vegetative stage Nokra Vegetative stage Okra Vegetative stage SERCH Saind Ginger and turmeric Cinger and turmeric Cowpea Vegetative stage Sowing stage Sowing stage Cinger and turmeric Cowpea Vegetative stage Sowing stage Sowing stage Sowing stage Cinger and turmeric Cowpea Vegetative stage Sowing stage Sowing stage Cinger and turmeric Cowpea Cowpea Cowpea According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. Earthing up soil for better growth of plant. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Earthing up soil for better growth of plant. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. Earthing up soil for better growth of plant. According to weather for better growth of plant. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. Earthing up soil for better growth of plant. According to weather forecast po	Rabi Maize	Harvesting stage		## #	and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain. Thresh the seeds from cob and keep for
Cowpea Vegetative stage MAMIT According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. 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. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. 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. 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	VECETABLE CO	OP	KOLASIB	4	Dry straw should keep for mulching in
possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. 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. According to weather forecast possibility of moderate rainfall is very high. So drainage channel around the field should be maintained. 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. 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				4	According to weather forecast
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			month and 25% at flowering stage.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	7	1	Sprouted corms or cormels are planted
) \	£ 5	5-7 deep at a spacing of 40-50 cm
		KOLASIB	between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
	į.	(MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY	I.K. N	MO1 @ 220. 070. 101 kg.
Pig	All stages		4 As the weather gets colder, your pigs'
		STATE	energy requirement will increase, as
			they need more energy to keep warm.
	3		Regularly monitor their level of 'fitness'
	7 MAMIT	4	and increase their feed intake to
	3	& AIZAVVL	maintain. Fish oils are excellent for providing
			slow-release energy with the added
	\	3	advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
) &	Reproductive	
))	Respiratory) (
		Syndrome CHH	P ()
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
Cattle	All age group		interval • Due to prolong dry spell there is a
Cattle	An age group	LUNGLEI	shortage of green grass in the field.
	7		For balanced diet and nutrition to
		5%	your cattle, provide urea molasses
		A N	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	Primary vaccination 6 month or above
D = -14	T *44	LAWNGTLAN	Revaccination annually Birds require adequate space, sufficient
Poultry	Litter	/ SAIHA	Birds require adequate space, sufficient feed to meet their nutritional
	management		requirements and an adequate supply
		1 12	of good-quality water.
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	Preventive	KOLASIB A 0-3 rd week	4	Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed Ranikhet Disease- F1 vaccine at (1-6)
	measures	0-3 M Week	4	days of birth and R ₂ B vaccine for adult birds. B complex with antibodies
	} MAMIT	4th weeks		Coccidiosis- Amprolium or coccidiostat
	92 100000000	4-5 th Weeks	1	Calcium tonic fortified with B ₁₂
FISHERY	Pond preparation	3rd-4th weeks	GH/	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		SERCHI	IIP +	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.
	1	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.
		LAWNGTLAL		7 Page

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SAIHA

LAWNGTLAL

CHAMPAL

8 | P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/Mizo

Date of issue: 09th May, 2017

		A CO			
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	3	7	7	16	28
Max Temp (°C)	31	31	32	32	29
Min Temp (°C)	14	14	14	13	13
Cloud Coverage	Mainly clear				
Max RH (%)	92	96	98	97	96
Min RH (%)	38	37	38	42	60
Wind Speed (KmpH)	2	3	3	3	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm

Lunglei-326.00mm

Mamit-204.87mm

Serchhip-411.72mm

(453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):28-29°C Minimum Tem. (°C):17-18°C Maximum RH (%):79-98% Minimum RH (%):46-67%

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

Rainfall: 75.8 mm

10th May- 14th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 92-98% leh a hniam lai berin 38-60% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 61.0mm

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/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA	}	57	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PLUM AND PEACH		Gummosis, citrus	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang
	1	canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	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.
		La Company	215
		4	2 P a g e

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			Harvesting Stage	
		1	♣ Coffe rah hmin hi thlasik laiin an se	nα
		1	thin a ni.	11g
			♣ A rah hmin tha lo ho chu nuai saw	
	1/2	1		
	1 1		hmain an thliar hrang leh vek thin an	
		Coffee Berry	4 A hun takah leh fimkhhur taka seng	tur
		borer	ani.	
	1	1 ×	Hmaih neih nuaih loh tur ani.	
	7	7	Sneg hmaih te lakkhawma paih vek	tur
	8		ani.	1
			Seng bang zawng zawng chu uluka ta	ka
	1		paih fai vek tur ani.	
		7	4 A thlai vennan a rah tlai ho chu paih v	æk
	} MAMIT	0	tur ani.	
	J. Internation	A	Hmun dam lutukah dah loh tur.	
	- Y	& AIZAVIL 1	Boruak tha taka a hmuh theih nan leh	
			rawn chawr no theih nan thlai chu ul	uk
	\)	tak a hlawi tur ani.	٥ -
	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	1	Chuan hei hian kah tur ani. Quinalphos	
	A	1 1	EC @ 340 ml/200 lit emaw lam	ıda
	1 2	7	cyhalothrin 5 EC 120 – 160 ml / 200 lit.	
	A 1		In leh loa sawngbawln a a ro dan t	
	1.1		tawkah chuan: Arabica / robus	
		SERCHH		len
			robusta cherry 11.0%.	
		Coffee Rust	Natna hrik in a khawih tawh a hnah leh	ı a
		- CO.	dang te paihpaih vek tur ani.	
			Bordeaux mixture 0.5% in February	
			March (Pre-bloom) a kah phawt Oxycarboxin 0.03% in May - June (P	
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.	16-
CEREALS AND	DILL OF ODODS	-10-10-10-10-10-1	monsoon an kan chiunzawii tur am.	
Rabi Maize			Wainsing alsigned true atom lai lang	1.4
Rabi Maize	A chin hun	A (~	Vaimim chinna tur atan lei kan	ıeι
			phut darh anga.	
			Hei hian a rawn to chhuah na tur at	an
			a pui dawn a ni.	
		1 63 9	👢 A chi chu kan lei leh saah chuan k	an
		Y	dah ang.	
		1	♣ A chi chu Thiram @4 g/kg seed hian	ak
		LAWNGTLAL	sawngbawl hmasa anga.	
		₹ SAIHA	4 20-25 kg/ha vel a chi thlak hi a tav	wk
		ALC:	vel viau ani.	
			A chi tuh hma in lei leh FYM @5-	10
			t/ha leh 80:60:40 kg N, P_2O_5 1	
		4	3 P a g e	•

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



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

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive Respiratory	 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.
	3	Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAN	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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		N.	Tui an in tur chhawpna tur tha /liar tha tak leh tui thianghlim tak pek tu
	5		ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga n 1-6 ah F1 vaccine pek tur ani a, chuar
	measures		a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	1	4th weeks	Coccidiosis- Amprolium on
	\$ 11000		coccidiostat
_	7 MAMIT	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY	\ \	(ATZAVIL	CHAMPAI
	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	hmunthum a then a hmunkhat hi di 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 karkhar 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 ar inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	5
		1	7 Page

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

	1979 PA	$F^{(i)}$	1		
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	5	7	8	16	23
Max Temp (°C)	32	33	32	32	29
Min Temp (°C)	21	21	22	22	21
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	86	91	92	90	88
Min RH (%)	36	37	38	41	48
Wind Speed (KmpH)	2	3	2	2	4

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- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

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

(507.7mm)

Date of issue: 09th May, 2017

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

Mamit-204.87mm

(428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

*Wind Direction

Lunglei-326.00mm (465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):27-28°C Minimum Tem. (°C):17-18°C Maximum RH (%):73-93% Minimum RH (%):45-72%

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

Rainfall: 64.8 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-33°C and 21-22°C. Maximum relative humidity is expected in the range of 86-92% and minimum may from 36-48%. Wind direction would be southerly with the wind speed of 2-4 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 59.0 mm

NDVI for Mizoram

North East Region

13 April 2017

13 O 2 Dare:

0.02 Dare:
0.03 Dare:
0.03 Dare:
0.04 Dare:
0.05 Dare:

Moderately wet mildly dry/mildly wet conditions

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	-	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	NULROID	♣ In the citrus belt, trees can be planted
LIME	Stuge	LA.	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	3 5	12 to 25 feet apart and dwarf trees
) 21	should be set 6 to 10 feet apart. The
STAR FRUIT	₹ MAMIT		exact distance depends on the variety.
	7 1000000	1	The bigger the fruit, the farther
PLUM AND	3	(ATZAVVL)	the distance.
PEACH	(♣ If the soil is not well-drained, plant the
PEACH	1	3	trees on a slight mound to
	1	1 64	prevent water logging.
	1	1 37	# Mulching should be done with dry
	74 V		grasses near the tree base to conserve soil moisture during winter.
	1.	ocnoun	
		SERCHH	at weekly interval for better
		The second second	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
	14	Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	3	butterfly and leaf	borne disease. Lamon butterfly- Spray monocrotophos
	V	minor	@0.04% @1.2 ml/lt of water.
		(1)	Leaf minor- Spray confidor 0.05% (0.5
	1		ml/lit of water) at each flush
	į.	1 7 6	emergence.
	9	([] V	Citrus Canker- Apply bacterimycin
		1 20	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
		/ SAIHA	3 · · · · · · · · · · · · · · · · · · ·
			A cutting should contain at least 3
		1	buds and must be planted in sand
		FU POLI	beds.
		A M	2 P a g e

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Mizoram Centre, Kolasib- 796081, MIZORAM

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Stage (Ethrel 10 PPM+2% urea+0.0-Sodium Carbonate) should be appling the heart of the plant. In evening a only when plants have at least leaves. The flowering emergence will come of after 55-60 days after chemis spraying. Apply split doses of fertilizer @ 50:60 g per plant. Remove all unwanted leaves, branch and weed near to the plant. PLANTATION CROP COFFEE Blooming stage If day temperature and prolong of spell occur it lead to Flog abnormalities like "Star Flower" Arabica and "Pink Flower" in Robusta Irrigation of plants at alternate day interval, 6 weeks before harvesting and improves the fruit quality and the development, and reduces from the cracking and improves the fruit quality and the development, and reduces from the cracking and improves the fruit quality and the development of the		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
* If day temperature and prolong of spell occur it lead to Flo abnormalities like "Star Flower" Arabica and "Pink Flower" in Robusta Irrigation of plants at alternate da interval, 6 weeks before harvesti improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quali Mulching should be done with of grasses near the tree base to consersoil moisture during winter. * The young fruit plant must be irrigated at weekly interval for bett establishment.	stage MAMIT	AIZAWL	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
@ 1000 PPM concentration or 0.75	Bloomi <mark>ng</mark>	M	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. 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

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				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		V	4	10-12 kg of well rotten organic manure
		KOLASIB	Ø.	and 225 gm rock phosphate should be
	1	16	.55	apply at time of planting to each pit as
	7	7		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting	7 5	4	Water level shall be maintained for
Rice	stage) 51		better transplant.
	Sugar			Plough the field two to three times.
	J MAMIT	4	*	According to weather forecast next five
	3	& AIZAVIL I		days rainfall possibility is less so make
	1			a bun around the field and close all out
		3		late for well maintenance of water in the field.
	4	1 66	4	Transplant 2-3 seedlings in one place
		1 1 1		for avoid gap filling.
	A		4	Spacing should be 20 cm row to row
	11	ocnount		and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
	No.	V 1-7		corner of the field for gap filling.
Jhum Rice	Germination	254	4	According to weather forecast
	stage			possibility of moderate rainfall is very
				high. So drainage channel around the
		LUNGLEI		field should be maintained.
			*	If possible use straw mulch/ grass
		55%	-	mulch in row to prevent soil loss and
Main	Voget-ti		<u>ं</u>	better growth of plant. According to weather forecast
Maize	Vegetative	2	-	possibility of moderate rainfall is very
(Jhum)	stage			high. So drainage channel around the
	8	1 63 8		field should be maintained.
		Y Y	4	Earthing up soil for better growth and
		LANGERT ALL		stability in root zone.
		LAWNGTLAN	4	Don't use split dose of any nitrogenous
		SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 12	- 1	mulch in row to prevent moisture loss
		The state of the s	W	

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			and battan answell of plant
Rabi Maize	Uowe stine		and better growth of plant.
Rabi Maize	Harvesting		Harvest all mature cobs from the plant.
	stage		■ Keep the cob for sun dry, so moisture level will be maintain.
	1/2/	1	
	1 A-2		Thresh the seeds from cob and keep for
		KOLASIB	drying. Dry straw should keep for mulching in
	- 1	I I I I I I I I I I I I I I I I I I I	Dry straw should keep for mulching in the field.
VEGETABLE CRO	OD.	I K	tile neid.
	- 1917	1 4 1	♣ According to weather forecast
Cowpea	Vegetative		possibility of moderate rainfall is very
	stage		high. So drainage channel around the
	J.	7	field should be maintained.
	> MAMIT		♣ Earthing up soil for better growth and
	Z Militario		stability in root zone.
	1	A A ZAVVL	Don't use split dose of any nitrogenous
	(fertilizer for better growth.
	(5	If possible use straw mulch/ grass
	4	125	mulch in row to prevent moisture loss
)	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and better growth of plant.
Okra	Vegetative		♣ According to weather forecast
	stage	SERCHH	possibility of moderate rainfall is very
		(~ Jackenn	high. So drainage channel around the
			field should be maintained.
	· Y		♣ Earthing up soil for better growth and
			stability in root zone.
			■ Don't use split dose of any nitrogenous
	1	LUNGLEI	fertilizer for better growth.
	3		If possible use straw mulch/ grass
		ĠC.	mulch in row to prevent moisture loss
	25	4 (7	and better growth of plant.
Ginger and	Sowing stage		Rhizome should be treated with Thiram
turmeric	i i	190	@4 g/kg seed.
	5		Use optimum seed rate (50-60 kg/ha)
		(20)	for desire plant population.
			Apply well decomposed FYM/ pig
		LAWNGTLAL	manure @ 10-20 t/ha along with
		/ SAIHA	120:80:60 kg N, P_2O_5 and K_2O/ha incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
		2 (or sowing and remaining 25% after one

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			month and 25% at flowering stage.
Colocasia	Sowing stage		Planting is done well prepared land or pits filled up with FYM (12-15) t/ha
	1	1	♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.
		KOLASIB	Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages		 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
	\$	AIZAWL	maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	1 6	Reproductive	
))	Respiratory	
		Syndrome CHH (PRRS).	IP (
	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	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management	SAIHA	Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.
	•	the state of	

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	5	KOLASIB	#	Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. B complex with antibodies
		4th weeks		Coccidiosis - Amprolium or coccidiostat
	7 MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3	ATZAVIL	CH	SMPAI
	Pond preparation	3rd-4th weeks	+	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		SERCHI	4P	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.
		LAWNGTLAN SAIH	4	
		N.	Y	7 Page

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SAIHA

LAWNGTLA!

CHAMPAL

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District: Champhai Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/Mizo

Date of issue:	09th	May,	2017	
		~~-		

Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	5	7	8	16	23
Max Temp (°C)	32	33	32	32	29
Min Temp (°C)	21	21	22	22	21
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	86	91	92	90	88
Min RH (%)	36	37	38	41	48
Wind Speed (KmpH)	2	3	2	2	4
*Wind Direction	S	S	S	S	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- June 1-30, 2016 (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)

(259.62mm)

Serchhip-411.72mm

Weather summary of the past three days

Maximum Tem. (°C):27-28°C

Minimum Tem. (°C):17-18°C Maximum RH (%):73-93%

Minimum RH (%):45-72%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind Speed: 2-4 km/hr

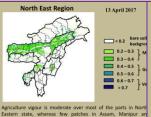
Rainfall: 64.8 mm

10th May– 14th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-33°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 86-92% leh a hniam lai berin 36-48% 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: 59.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA	}	5	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PLUM AND PEACH)	keh tur lakah t a veng thei ani.
	35	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	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.
		La Company)
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			Har	vesting Stage
		1		Coffe rah hmin hi thlasik laiin an seng
				hin a ni.
				A rah hmin tha lo ho chu nuai sawm
	14	1		
	1 A			nmain an thliar hrang leh vek thin ani.
		Coffee Berry		A hun takah leh fimkhhur taka seng tur
		borer	No. of the second	mi.
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Imaih neih nuaih loh tur ani.
	7	W 3		Sneg hmaih te lakkhawma paih vek tur
	5			ni.
	}			Seng bang zawng zawng chu uluka taka
	10			paih fai vek tur ani.
		7		A thlai vennan a rah tlai ho chu paih vek
	> MAMIT			ur ani.
	A HOSTING	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Imun dam lutukah dah loh tur.
	1	& AIZAVIL 1		Boruak tha taka a hmuh theih nan leh a
		A		awn chawr no theih nan thlai chu uluk
))		ak a hlawi tur ani.
	1	1		Chuan hei hian kah tur ani. Quinalphos 25
	A	100		EC @ 340 ml/200 lit emaw lamda
) 2			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	A. V) 9		n leh loa sawngbawln a a ro dan tur
	11		1	awkah chuan: Arabica / robusta
		SERCHH		parchment 10 %, Arabica cherry 10.5 % leh
		0-66- 0-4		obusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh a
	(Coffee Rust		
				lang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February -
				March (Pre-bloom) a kah phawt a,
				Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI		nonsoon) ah kah chhunzawm tur ani.
CEREALS AND	DIII CE CDODC		- 11	nonsoon, an kan cimunzawin tur am.
Rabi Maize	A chin hun		7	Vaimim chinna tur atan lei kan let
Raul Maize	A CHIH HUH	(1)		
				ohut darh anga.
	j.	The second		Hei hian a rawn to chhuah na tur atan
				a pui dawn a ni.
		1 53 4	1.7	A chi chu kan lei leh saah chuan kan
				lah ang.
		1	4 A	A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	s	sawngbawl hmasa anga.
		/ SAIHA	4 2	20-25 kg/ha vel a chi thlak hi a tawk
		1		vel viau ani.
			100	A chi tuh hma in lei leh FYM @5-10
				/ha leh $80:60:40$ kg N, P_2O_5 leh
	I	N / N	·	
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			K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CR			
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



		1	 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,
) /	1	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
	measures	~~ (a puitlingh chuan R₂B vaccine pek tur ani. ♣ B complex with antibodies
	1	4th weeks	♣ Coccidiosis - Amprolium or
	- ∫ MAMIT	4-5 th Weeks	coccidiostat
PICHEDY	2/ 1/2/2/2010	4-5th weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	Pond	3 rd -4 th weeks	➡ Dil a leitha hman hian sangha chaw
	preparation (Dil buatsaih)	J-1- Weeks	kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	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 STATE AND THE AND THE ADDRESS OF T	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.
		SAIHA	5
		4	7 P a g e

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SAIHA

LAWNGTLA

CHAMPAL

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Mizoram Centre, Kolasib- 796081, MIZORAM

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District: Kolasib Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

	1979 P. (1974)	I a			
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	4	6	7	16	30
Max Temp (°C)	33	35	33	32	29
Min Temp (°C)	22	22	22	22	21
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Partially clear	Mainly cloudy
Max RH (%)	92	95	97	98	99
Min RH (%)	39	39	40	46	71
Wind Speed (KmpH)	2	4	4	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

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

(507.7mm)

Date of issue: 09th May, 2017

Kolasib- 236.00mm

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

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):17-19°C Maximum RH (%):91-97%

Minimum RH (%):75-94% Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 3-4 km/hr

Rainfall: 88.3 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-33°C and 21-22°C. Maximum relative humidity is expected in the range of 92-99% and minimum may from 39-71%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 63.0 mm

Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	NOLRSIB L	In the citrus belt, trees can be planted
LIME	Stage	And And	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
) 2/	should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	J. maximi r	4	The bigger the fruit, the farther
PLUM AND	3	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH		1	trees on a slight mound to
	A.	1 66	prevent water logging.
		1 3 15	Mulching should be done with dry
	W. (grasses near the tree base to conserve
	1.2		soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	*	A (~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	31	ml/lit of water) at each flush
		(S A	emergence.
			Citrus Canker - Apply bacterimycin
		1 21	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
	20050	F SAIHA	
			A cutting should contain at least 3
			buds and must be planted in sand
		A C	beds.
		NYN	2 Page

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	5	KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ♣ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	AIZAVIL	 ♣ 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			T TC 1
COFFEE	Blooming stage	LAWNGTLAL	 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. 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

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				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		Vi managarana (4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
	1	1 x	335	apply at time of planting to each pit as
	7	7 2 7		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting	2 5	-	Water level shall be maintained for
Rice	stage) 51		better transplant.
	Sugar			Plough the field two to three times.
	J MAMIT	4	-	According to weather forecast next five
	1	AIZAVIL I	S)	days rainfall possibility is less so make
				a bun around the field and close all out
		3		late for well maintenance of water in the field.
	1	1 66	4	Transplant 2-3 seedlings in one place
	\ _	1 1 31		for avoid gap filling.
	1 0		4	Spacing should be 20 cm row to row
	1.1	penguu		and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
		K I-3		corner of the field for gap filling.
Jhum Rice	Germination	254	4	According to weather forecast
	stage			possibility of moderate rainfall is very
				high. So drainage channel around the
		LUNGLEI		field should be maintained.
	7		-	If possible use straw mulch/ grass
		55%	-	mulch in row to prevent soil loss and
Main	Vogetsti		3 to	better growth of plant. According to weather forecast
Maize	Vegetative	2	-	possibility of moderate rainfall is very
(Jhum)	stage			high. So drainage channel around the
	9	1 63 8		field should be maintained.
		Y	4	Earthing up soil for better growth and
		LI MANUELTE ALLAS		stability in root zone.
		LAWNGTLAN	4	Don't use split dose of any nitrogenous
		SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 12 1	- 1	mulch in row to prevent moisture loss
			W.	

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			1 1
Data Materia	TT- man - Att		and better growth of plant.
Rabi Maize	Harvesting		Harvest all mature cobs from the plant.
	stage	1	♣ Keep the cob for sun dry, so moisture
	7 /	1	level will be maintain.
	1 1-2		Thresh the seeds from cob and keep for
		KOLASIB	drying.
	1	1	Dry straw should keep for mulching in
TIDODEN DI DI CO		Lx \	the field.
VEGETABLE CRO	1900	/ 41 5	According to weather forecast
Cowpea	Vegetative		According to weather forecast
	stage	3 5	possibility of moderate rainfall is very
		1	high. So drainage channel around the
	> MAMIT	1	field should be maintained.
	7 1000,000		# Earthing up soil for better growth and
	3	A A ZAVVL	stability in root zone.
			Don't use split dose of any nitrogenous
	1	1	fertilizer for better growth.
	1	3 6. (If possible use straw mulch/ grass
		1 3 1	mulch in row to prevent moisture loss
Okra	Vogototiro		and better growth of plant.♣ According to weather forecast
Okra	Vegetative		According to weather forecast possibility of moderate rainfall is very
	stage	SERCHH	high. So drainage channel around the
		V-L	field should be maintained.
	C,	L.	♣ Earthing up soil for better growth and
			stability in root zone.
			Don't use split dose of any nitrogenous
		LUNGLEI	fertilizer for better growth.
	>	ENGREEN	If possible use straw mulch/ grass
			mulch in row to prevent moisture loss
	<u></u>	W 55-	and better growth of plant.
Ginger and	Sowing stage		Rhizome should be treated with Thiram
turmeric		Vi a l	@4 g/kg seed.
		3 1 5 1	♣ Use optimum seed rate (50-60 kg/ha)
		-1	for desire plant population.
			♣Apply well decomposed FYM/ pig
		LAWNGTLAN	manure @ 10-20 t/ha along with
		SAIHA	$120:80:60$ kg N, P_2O_5 and K_2O/ha
			incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
		The state of the s	

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			month and 25% at flowering stage.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	7 7	1	Sprouted corms or cormels are planted
) \	£ 5	5-7 deep at a spacing of 40-50 cm
		KOLASIB	between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
	į.	(MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY	1.6.	MO1 @ 220. 070. 101 kg.
Pig	All stages		4 As the weather gets colder, your pigs'
		STATE	energy requirement will increase, as
			they need more energy to keep warm.
	3		Regularly monitor their level of 'fitness'
	7 MAMIT	4	and increase their feed intake to
	3	& AIZAVVL	maintain.
			Fish oils are excellent for providing slow-release energy with the added
	\	3	advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
) &	Reproductive	
))	Respiratory) (
		Syndrome CHH	P ()
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
Cattle	All age group		interval • Due to prolong dry spell there is a
Cattle	An age group	LUNGLEI	shortage of green grass in the field.
	7		For balanced diet and nutrition to
		5%	your cattle, provide urea molasses
			treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	Primary vaccination 6 month or above
D = -14	T *44	LAWNGTLAN	Revaccination annually Birds require adequate space, sufficient
Poultry	Litter	/ SAIHA	Birds require adequate space, sufficient feed to meet their nutritional
	management		requirements and an adequate supply
		1 12	of good-quality water.
		The Contract of the Contract o	

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		KOLASIB	4	the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. B complex with antibodies
	}	4th weeks		Coccidiosis- Amprolium or coccidiostat
	7 MAMIT	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	ζ	(ATZAVVL	CH/	AMPAI
	Pond preparation	3rd-4th weeks	#	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		SERCHI	HP +	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.
		LAWNGTLANS	{	

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Bulletin No: - 699/2017/ Bulletin/Mizo

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

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

Rainfall: 88.3 mm

10th May- 14th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-33°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 92-99% leh a hniam lai berin 39-71% 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: 63.0mm

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/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 		
BANANA	}	54	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.		
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH		Gummosis, citrus	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang		
) 5	canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.		
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	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.		
2 P a g e					

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			Harvesting Stage
		1	Coffe rah hmin hi thlasik laiin an ser
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawi
	7 1	1	
	1 1		hmain an thliar hrang leh vek thin ani
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tu
		borer	ani.
	1	14	Hmaih neih nuaih loh tur ani.
	7	W 5	Sneg hmaih te lakkhawma paih vek tu
	5		ani.
	1		Seng bang zawng zawng chu uluka tak
	1		paih fai vek tur ani.
		7	4 A thlai vennan a rah tlai ho chu paih ve
	> MAMIT		tur ani.
	J. meant	4	Hmun dam lutukah dah loh tur.
	1	& ATZAVIL 1	Boruak tha taka a hmuh theih nan leh
		3	rawn chawr no theih nan thlai chu ulu
	\ \)	tak a hlawi tur ani.
	1	1	4 Chuan hei hian kah tur ani. Quinalphos 2
	A	120	EC @ 340 ml/200 lit emaw lamo
) &	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	A 1	7	In leh loa sawngbawln a a ro dan tu
	1.1		tawkah chuan: Arabica / robus
		SERCHH	
		0-66- 0-4	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh
	l l	Coffee Rust	
			dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February
			March (Pre-bloom) a kah phawt
			Oxycarboxin 0.03% in May - June (Pr
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODS		monsoon, an kan cimunzawin tur am.
Rabi Maize	A chin hun		↓ Vaimim chinna tur atan lei kan lei
Rabi Maize	A chin hun	α (~	
		31	phut darh anga.
	j j		Hei hian a rawn to chhuah na tur ata
			a pui dawn a ni.
		1 63 9	🔻 A chi chu kan lei leh saah chuan ka
		Y	dah ang.
		1	A chi chu Thiram @4 g/kg seed hian a
		LAWNGTLAN	sawngbawl hmasa anga.
		/ SAIHA	≠ 20-25 kg/ha vel a chi thlak hi a taw
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-1
			t/ha leh 80:60:40 kg N, P_2O_5 le
	<u> </u>	7 7	
			3 P a g e

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

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive Respiratory Syndrome	 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.
		(PRRS).	etinair at
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	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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a puitlingh chuan R ₂ B vaccine pek to ani. B complex with antibodies Coccidiosis- Amprolium of coccidiostat 4-5th Weeks Calcium tonic fortified with B ₁₂ FISHERY Pond preparation (Dil buatsaih) Pond preparation (Dil buatsaih) Bawngek hring 10 tonnes/ha/year v dil ah hman thin a ni a; bawnge kumkhat a kan mamawh z hmunthum a then a hmunkhat hi obuatsaih nan hman tur ani. A bazawng hi tui boruak a zirin semdarh hman thin tur ani. Single super phosphate hi dil hectarkhat zel a zauah kg 250 ang a hmathin tur ani. Leitha kan hman atang a karkhhunuah tui rawng a tangin sangha chainseam that leh thatloh a hriat theih. Tui rawng eng hring deuh nghalh a		Preventive measures	0-3 rd week	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. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
FISHERY Pond preparation (Dil buatsaih) SERCHH Pond (Dil buatsaih) SIngle super phosphate hi dil hectatkhat zel a zauah kg 250 ang a hmathin tur ani. Leitha kan hman atang a karkh hnuah tui rawng a tangin sangha chainsaam that leh thatloh a hriat theih Tui rawng eng hring deuh nghalh a hian sangha chaw planktons te a inseam tha ang a ngaih ani. Tui nut zawng tehna transparence pawh 30-40 cm vel ani tur ani.		measures	4 th weeks	4	a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or
Pond preparation (Dil buatsaih) SERCHIP Bawngek hring 10 tonnes/ha/year v dil ah hman thin a ni a; bawngek kumkhat a kan mamawh z hmunthum a then a hmunkhat hi o buatsaih nan hman tur ani. A ba zawng hi tui boruak a zirin semdarh hman thin tur ani. Single super phosphate hi dil hectarkhat zel a zauah kg 250 ang a hmathin tur ani. Leitha kan hman atang a karkh hnuah tui rawng a tangin sangha charin sem that leh thatloh a hriat theih Tui rawng eng hring deuh nghalh a hian sangha chaw planktons te a inseam tha ang a ngaih ani. Tui nut zawng tehna transparence pawh 30-40 cm vel ani tur ani.		/ MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
kan tih mai planktons insiam nan tanpui thin. Bawngek hring 10 tonnes/ha/year v dil ah hman thin a ni a; bawnge kumkhat a kan mamawh z hmunthum a then a hmunkhat hi c buatsaih nan hman tur ani. A ba zawng hi tui boruak a zirin semdarh hman thin tur ani. Single super phosphate hi dil hectar khat zel a zauah kg 250 ang a hma thin tur ani. Leitha kan hman atang a karkh hnuah tui rawng a tangin sangha cha inseam that leh thatloh a hriat theih Tui rawng eng hring deuh nghalh a hian sangha chaw planktons te a inseam tha ang a ngaih ani. Tui nut zawng tehna transparence pawh 30-40 cm vel ani tur ani.	FISHERY	3	AIZAWL	CH/	MPAI
dil ah hman thin a ni a; bawnge kumkhat a kan mamawh z hmunthum a then a hmunkhat hi co buatsaih nan hman tur ani. A ba zawng hi tui boruak a zirin semdarh hman thin tur ani. Single super phosphate hi dil hectar khat zel a zauah kg 250 ang a hmat thin tur ani. Leitha kan hman atang a karkh hnuah tui rawng a tangin sangha char inseam that leh thatloh a hriat theih. Tui rawng eng hring deuh nghalh a hian sangha chaw planktons te ar inseam tha ang a ngaih ani. Tui nut zawng tehna transparence pawh 30-40 cm vel ani tur ani.		preparation	3 rd -4 th weeks	#	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
hnuah tui rawng a tangin sangha cha inseam that leh thatloh a hriat theih Tui rawng eng hring deuh nghalh a hian sangha chaw planktons te a inseam tha ang a ngaih ani. Tui nut zawng tehna transparence pawh 30-40 cm vel ani tur ani.			m		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
SAIHA			A LAWNGTI ALL	*	Tui nut zawng tehna transparency
7 Page			SAIHA	5	710000

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ICAR RESEARCH COMPLEX FOR NEH RECION

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



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SAIHA

LAWNGTLA

CHAMPAL

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Parameters
Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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: 10 May - 14 May, 2017

11.05.2017

0

32

22

Mainly clear

95

31

2

Bulletin No: - 699/2017/ Bulletin/English

10.05.2017

0

32

21

Mainly clear

92

36

2

1		
12.05.2017	13.05.2017	14.05.2017
0	0	3
32	32	31
22	21	22
Mainly clear	Mainly clear	Mainly cloudy
99	96	88

36

Date of issue: 09th May, 2017

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

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

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

(507.7mm)

Kolasib- 236.00mm (428.1mm)

36

4

S-E

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

Mamit-204.87mm

33

2

Serchhip-411.72mm

(453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):17-19°C Maximum RH (%):92-96% Minimum RH (%):64-91% Wind Direction: Easterly Cloud cover: Mainly clear Wind speed: 2-3 km/hr

Rainfall: 25.2 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 21-22°C. Maximum relative humidity is expected in the range of 88-99% and minimum may from 31-36%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 03.0 mm

Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KOLKOID	In the citrus belt, trees can be planted
LIME	Stage	AL AL	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
) > /	should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	T manner	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
PLUM AND	3	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH		1	trees on a slight mound to
	A.	1 66	prevent water logging.
		1 3 1	Mulching should be done with dry
	W. (grasses near the tree base to conserve
	1.2	1	soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	*	(~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	D1	ml/lit of water) at each flush
		(B A	emergence.
			Citrus Canker - Apply bacterimycin
		2	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
	20050	# SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		F) (beds.
		N	2 Page

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		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering	AIZAVIL	 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.
COFFEE	Blooming stage	LUNGLEI	 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. 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
		F M D	3 P a g e

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



				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		Vi managarana (4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
		1 x	335	apply at time of planting to each pit as
	7	7 2 7		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting	2 5	-	Water level shall be maintained for
Rice	stage) 5/		better transplant.
	Sugar			Plough the field two to three times.
	J MAMIT	4	-	According to weather forecast next five
	3	(AIZAVIL)	3	days rainfall possibility is less so make
				a bun around the field and close all out
	1	3		late for well maintenance of water in the field.
	A.	1 66	4	Transplant 2-3 seedlings in one place
		1 1 1		for avoid gap filling.
	1/4		4	Spacing should be 20 cm row to row
	1.1	across 111		and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V 1-3		corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage			possibility of rainfall is very less and
				maximum temperature will be high so
		LUNGLEI		maintain the moisture level in the field.
	1		-	If possible use straw mulch/ grass
		55%	-	mulch in row to prevent moisture loss
Main	Veretsting		3 to	and better growth of plant. According to weather forecast
Maize	Vegetative	2	-	According to weather forecast possibility of rainfall is very less and
(Jhum)	stage			maximum temperature will be high so
	9	1 63 4		maintain the moisture level in the field.
			4	Earthing up soil for better growth and
		LI MANAGETT ALL S		stability in root zone.
		LAWNGTLAN	4	Use split dose of any nitrogenous
		SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 12 1	- 1	mulch in row to prevent moisture loss
		En Comment	W.	

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Rabi Maize	Harvesting stage			and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain.
		KOLASIB	#	Thresh the seeds from cob and keep for drying. Dry straw should keep for mulching in the field.
VEGETABLE CR	OP	200		
Cowpea	Vegetative stage		#	According to weather forecast possibility of rainfall is very less and maximum temperature will be high so
	₹ MAMIT	AIZAWL	ei -	maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous
				fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
Okra	Vegetative stage	SERCHH	F	According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone.
		LUNGLEI	# #	Use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.
Ginger and turmeric	Sowing stage		+	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
		LAWNGTLAL		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

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			month and 25% at flowering stage.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	7	1	Sprouted corms or cormels are planted
) \	£ 5	5-7 deep at a spacing of 40-50 cm
		KOLASIB	between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
	į.	(MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY	I.K. N	MO1 @ 220. 070. 101 kg.
Pig	All stages		4 As the weather gets colder, your pigs'
		Same La	energy requirement will increase, as
			they need more energy to keep warm.
	3		Regularly monitor their level of 'fitness'
	7 MAMIT	4	and increase their feed intake to
	3	& AIZAVVL	maintain. Fish oils are excellent for providing
			slow-release energy with the added
	\	3	advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
) &	Reproductive	
))	Respiratory) (
		Syndrome CHH	P ()
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
Cattle	All age group		interval
Cattle	All age group	LUNGLEI	• Due to prolong dry spell there is a shortage of green grass in the field.
			For balanced diet and nutrition to
		500	your cattle, provide urea molasses
		A Y	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	Primary vaccination 6 month or above
D 41	T *4.4	LAWNGTLAN	Revaccination annually
Poultry	Litter	# SAIHA	Birds require adequate space, sufficient feed to meet their nutritional
	management		requirements and an adequate supply
			of good-quality water.
	I	Full Control	1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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		KOLASIB	4	Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 rd week	#	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. B complex with antibodies
	} MAMIT	4th weeks		Coccidiosis- Amprolium or coccidiostat
	1 1000	4-5 th Weeks	1	Calcium tonic fortified with B ₁₂
FISHERY	Pond preparation	3rd-4th weeks	CH/	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		SERCHI	IIP +	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.
		LAWNGTLAN		7 Page

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SAIHA

LAWNGTLA!

CHAMPAL

8 | P a g e

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Parameters

Rainfall (mm) Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

Cloud Coverage

*Wind Direction

Wind Speed (KmpH)

GRAMIN KRISHI MAUSAM SEWA

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



District: Lawngtlai Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/Mizo

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2

1000	fa.	4		
10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
0	0	0	0	3
32	32	32	32	31
21	22	22	21	22
Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
92	95	99	96	88

Date of issue: 09th May, 2017

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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.

2

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

33

2

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)Serchhip-411.72mm

36

4

S-E

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm) **Mamit-204.87mm** (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):17-19°C

Maximum RH (%):92-96% Minimum RH (%):64-91%

Wind Direction: Easterly Cloud cover: Mainly clear

Wind speed: 2-3 km/hr

10th May- 14th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 88-99% leh a hnjam laj berin 31-36% 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: 03.0mm

NDVI for Mizoram

Rainfall: 25.2 mm

orth East Region 13 April 2017

Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 		
BANANA	}	57	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.		
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH		Gummosis, citrus	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang		
	1	canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.		
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	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.		
		La Company	215		
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			Harvesting Stage	
		1	♣ Coffe rah hmin hi thlasik laiin an se	nα
		1	thin a ni.	iig
			A rah hmin tha lo ho chu nuai sav	
	1/2	1		
	1 1		hmain an thliar hrang leh vek thin ar	
		Coffee Berry	4 A hun takah leh fimkhhur taka seng	tur
		borer	ani.	
	1	1 ×	Hmaih neih nuaih loh tur ani.	
	7	7	4 Sneg hmaih te lakkhawma paih vek	tur
	8		ani.	1
			Seng bang zawng zawng chu uluka ta	ıka
	1		paih fai vek tur ani.	
		7	4 A thlai vennan a rah tlai ho chu paih v	vek
	> MAMIT		tur ani.	
	1 1024	\ \ {	Hmun dam lutukah dah loh tur.	
	1	& ATZAVIL 1	Boruak tha taka a hmuh theih nan leh	
		3	rawn chawr no theih nan thlai chu ul	luk
)	tak a hlawi tur ani.	0.5
	1	1	Chuan hei hian kah tur ani. Quinalphos	
	A	100	EC @ 340 ml/200 lit emaw lam	ıda
) &	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.	
	A 1	7	In leh loa sawngbawln a a ro dan	
	1.1		tawkah chuan: Arabica / robu	
		SERCHH		ien
		0-66- 0-4	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah lel	2 0
		Coffee Rust		ı a
			dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February	
			March (Pre-bloom) a kah phawt	
			Oxycarboxin 0.03% in May - June (P	
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.	16-
CEREALS AND	DILL CE CDODC		monsoon an kan chiunzawin tur am.	
Rabi Maize	A chin hun		♣ Vaimim chinna tur atan lei kan	1 ₀ +
Rabi Maize	A CHIII IIUII	α (~	T. 19 M. U.	ıει
			phut darh anga.	
	7	\	Hei hian a rawn to chhuah na tur at	an
			a pui dawn a ni.	
		1 53 4	복 A chi chu kan lei leh saah chuan k	an
		Y .	dah ang.	
			♣ A chi chu Thiram @4 g/kg seed hian	ak
		LAWNGTLAN	sawngbawl hmasa anga.	
		f SAIHA	4 20-25 kg/ha vel a chi thlak hi a ta	wk
		1	vel viau ani.	
			♣ A chi tuh hma in lei leh FYM @5-	10
			t/ha leh 80:60:40 kg N, P ₂ O ₅ 1	
	I			
		4	3 P a g e	<i>-</i>

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

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			awm thin a , hei hi natna tlanglawn
			ber ani.
	1		👢 Thlai hna lam chi leh zikhlum lam
	100	1	chi reng reng enkawl nan Mancozeb
) \	- T	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	🗘 A than a that theih nan nikhat danah
capsicum		(A)	tui pek thin tur ani.
_	ς) 1	4 Thlai bul vawn hnawn nana thlai bula
	(hnim ring vawm khawm hi tui pek
	1		zawhah dah tur ani.
	J		Thlai chhina hmun (nursery) hi hnim a
	7 MAMIT	1	to loh nan Pendimethalin @ 3.5ml hi
	(The second second second	tui liter 1 zelah pawlh a kah hi a tha
	((ATZAWL	CHA hle ani.
	V.	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	(blight)	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	4	127	Hneh taka 1% Bordeaux chawhpawlh
	(emaw 2 g captan emaw 3 copper
	21.5		oxychloride a tui liter 1 hi 10-15 DAS a
	12	ecnous	pek hi a tha hle ani.
French bean	Sowing stage	(Surceni	♣ Tui pek a hnihnah hringa khuh tur ani
	A	1.50	a. than a that theih nan tui pek hma
	7		in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage	-	A than a that their nan nikhat danah
radish	V	5%	tui pek thin tur ani.
		A \	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
	1		Zikhlum lam chi ah chuan sik leh
		1000	5000
		() 3	sa vangin a hnah ah thil dum a
		V	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	Thlai hna lam chi leh zikhlum lam
		F SAIHA	
			Mancozeb @ 2gm ah tui leter 1
			nomba pawlha kah tur ani.

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		A	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
			ani.
	7 /	1	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur
		Vi comment	ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni
	measures	1	1-6 ah F1 vaccine pek tur ani a, chuan
	ζ.	1 1	a puitlingh chuan R ₂ B vaccine pek tur ani.
	<i>f</i>	5 4	B complex with antibodies
		4th weeks	Coccidiosis - Amprolium or
	·		coccidiostat
	/ MAMIT	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	3	ATZAVVL	CHAMPAI
	Pond	3 rd -4 th weeks	➡ Dil a leitha hman hian sangha chaw
	preparation		kan tih mai planktons insiam nan a
	(Dil buatsaih)	() 3/4	tanpui thin.
	3 6		Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek
	1.2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		SERCHI	hmunthum a then a hmunkhat hi dil
		100	buatsaih nan hman tur ani. A bak
			zawng hi tui boruak a zirin semdarh a
			hman thin tur ani.
		LUNGLEI	Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman
	3	LUNGLEI	thin tur ani.
		CSC.	🔸 Leitha kan hman atang a karkhat
	5	0	hnuah tui rawng a tangin sangha chaw
	<u>1</u>		inseam that leh thatloh a hriat theih a.
		155 6	Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an
		1 63 9	inseam tha ang a ngaih ani.
		Y X	Tui nut zawng tehna transparency
		LAWNGTLAN	pawh 30-40 cm vel ani tur ani.
		SAIH	
			-
		1 2	
		L. 1	710000
		1	7 Page

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LAWNGTLAL

CHAMPAL

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

		f = 1	4		
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	0	0	0	0	3
Max Temp (°C)	32	32	32	32	31
Min Temp (°C)	21	22	22	21	22
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	92	95	99	96	88
Min RH (%)	36	31	33	36	36
Wind Speed (KmpH)	2	2	2	2	4
*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- June 1-30, 2016 (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)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):28-30°C Minimum Tem. (°C):17-19°C

Maximum RH (%):92-96% Minimum RH (%):64-91% Wind Direction: Easterly

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

Rainfall: 19.8 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

Date of issue: 09th May, 2017

There is a chance of light rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 21-22°C. Maximum relative humidity is expected in the range of 88-99% and minimum may from 31-36%. Wind direction would be easterly to southeasterly with the wind speed of 2-4 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 03.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KOLKOID	In the citrus belt, trees can be planted
LIME	Stage	AL AL	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	J. maximi r	4	The bigger the fruit, the farther
PLUM AND	3	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH		1	trees on a slight mound to
	A.	1 66	prevent water logging.
		1 3 1	♣ Mulching should be done with dry
	W. (grasses near the tree base to conserve
	1.2	1	soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
	4	Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	h	(~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	D1	ml/lit of water) at each flush
		(B A	emergence.
			Citrus Canker - Apply bacterimycin
		2	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
	20050	# SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		F) (beds.
		N	2 Page

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		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering	AIZAVIL	 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.
COFFEE	Blooming stage	LUNGLEI	 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. 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
		F (1)	3 P a g e

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4 | P a g e

				interval.
Rubber	N			Clearing operation may be done during
Rubber	Nursery stage		-	the month of February to April.
			-	Make fire line to protect the young tree
	7 /	5	-	and seedlings.
	1 13	()	40	10-12 kg of well rotten organic manure
		KOLASIB	.00	and 225 gm rock phosphate should be
	+		8	apply at time of planting to each pit as
		WA 3		basal dose application.
CEREALS AND	PILSE CROPS	(a /		basai dosc application.
Pre Kharif	Transplanting		4	Water level shall be maintained for
Rice			_	better transplant.
Rice	stage	/	4	Plough the field two to three times.
) MAMIT	1		According to weather forecast next five
	(1	5	days rainfall possibility is less so make
	1	A IZAVVL	9	a bun around the field and close all out
	(late for well maintenance of water in
	1	S		the field.
	4	122	4	Transplant 2-3 seedlings in one place
) &		-	for avoid gap filling.
	1.5		4	Spacing should be 20 cm row to row
		SERCHH	100	and 15 cm plant to plant.
		(Survey	4	Keep some seedlings in nursery or
		188		corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage			possibility of rainfall is very less and
		may messeria		maximum temperature will be high so
		LUNGLEI	_	maintain the moisture level in the field.
	7		*	If possible use straw mulch/ grass
	V.	5%		mulch in row to prevent moisture loss
Ma!	Transfer the			and better growth of plant.
Maize	Vegetative	2	-	According to weather forecast possibility of rainfall is very less and
(Jhum)	stage			maximum temperature will be high so
		1 63 4		maintain the moisture level in the field.
			4	Earthing up soil for better growth and
		1		stability in root zone.
		LAWNGTLAN	4	Use split dose of any nitrogenous
		SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 521	7	mulch in row to prevent moisture loss
		En C		•

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				and better growth of plant.
Rabi Maize	Harvesting		4	Harvest all mature cobs from the plant.
	stage			Keep the cob for sun dry, so moisture
				level will be maintain.
	3 1	1	4	Thresh the seeds from cob and keep for
		V		drying.
		KOLASIB	4	Dry straw should keep for mulching in
	1	100	Same	the field.
VEGETABLE CRO	OP			
Cowpea	Vegetative		4	According to weather forecast
	stage	7000		possibility of rainfall is very less and
) 51		maximum temperature will be high so
	Summe			maintain the moisture level in the field.
	7 MAMIT	1	-	Earthing up soil for better growth and
	1	& AIZAVIL 1	oi_	stability in root zone.
			-	Use split dose of any nitrogenous
		1		fertilizer for better growth.
	1	3 6.7	-	If possible use straw mulch/ grass
	1	1 3 10		mulch in row to prevent moisture loss and better growth of plant.
Okra	Vogototivo		-	According to weather forecast
OKra	Vegetative			possibility of rainfall is very less and
	stage	SERCHH	IF.	maximum temperature will be high so
		V L		maintain the moisture level in the field.
	\ \		4	Earthing up soil for better growth and
				stability in root zone.
	1		4	Use split dose of any nitrogenous
		LUNGLEI		fertilizer for better growth.
	5	ALEXA ELECTRIC	+	If possible use straw mulch/ grass
	7 7	Co.		mulch in row to prevent moisture loss
	h	(T		and better growth of plant.
Ginger and	Sowing stage		+	Rhizome should be treated with Thiram
turmeric	8	1 9 6		@4 g/kg seed.
	5		7	Use optimum seed rate (50-60 kg/ha)
			1	for desire plant population. Apply well decomposed FYM/ pig
			-	manure @ 10-20 t/ha along with
		LAWNGTLAND		120:80:60 kg N, P_2O_5 and K_2O/ha
		F SAIHA		incorporate with soil before sowing.
			-	Half nitrogen dose will use at the time
			-	of sowing and remaining 25% after one
		F) (or so ming and remaining 20% after one

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			month and OFO/ at flamening atoms
Colocasia	Coming store		month and 25% at flowering stage. # Planting is done well prepared land or
Colocasia	Sowing stage		pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
	7 1	1	5-7 deep at a spacing of 40-50 cm
			between and within rows in the pits.
		KOLASIB \	Inorganic fertilizer like Urea, SSP and
	1		MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	VDARY	7 6	
Pig	All stages		4 As the weather gets colder, your pigs'
		5	energy requirement will increase, as
			they need more energy to keep warm.
	(\$\frac{1}{2}\)		Regularly monitor their level of 'fitness'
	7 MAMIT	1	and increase their feed intake to
	5	AIZAVIL	maintain.
		A comment of	Fish oils are excellent for providing
))	slow-release energy with the added
	1	1	advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	1. 0	Reproductive	1
	12	Respiratory	2 1
		Syndrome CHH	IP (
		(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		• Due to prolong dry spell there is a
Cattic	An age group	LUNGLEI	shortage of green grass in the field.
	3		For balanced diet and nutrition to
		00	your cattle, provide urea molasses
	7	0	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	ago groap	Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	• Primary vaccination 6 month or above
		LAMMET ALS	Revaccination annually
Poultry	Litter	HOW MAN LEDY	Birds require adequate space sufficient
	management	SAIHA	feed to meet their nutritional
			requirements and an adequate supply
		1 2 1	of good-quality water.
			W

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FISHERY	Preventive measures	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult
	}	Ath1	4	birds. B complex with antibodies
	7 MANUE	4 th weeks		Coccidiosis- Amprolium or coccidiostat
	7 1023	4-5 th Weeks	fra les	Calcium tonic fortified with B ₁₂
	Pond reparation	3rd-4th weeks	GH/	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		SERCHI	HIP #	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.
	1	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.
		LAWNGTLAL	A (

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Bulletin No: - 699/2017/ Bulletin/Mizo

Date of issue: 09th May, 2017

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Minimum RH (%):64-91% Wind Direction: Easterly

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

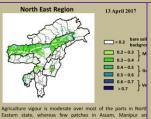
Rainfall: 19.8 mm

10th May- 14th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 88-99% leh a hniam lai berin 31-36% 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: 03.0mm

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/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 		
BANANA	}	57	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.		
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH)	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang		
	15	Gummosis, citrus canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.		
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	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.		
F A					
		1	2 P a g e		

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			Harvesting Stage
		1	# Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
		1	♣ A rah hmin tha lo ho chu nuai sawm
	1 1		hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tu
		borer	ani.
		/ K	Hmaih neih nuaih loh tur ani.
	7	7	4 Sneg hmaih te lakkhawma paih vek tu
	5		ani.
	9		♣ Seng bang zawng zawng chu uluka taka
	10		paih fai vek tur ani.
	J.		4 A thlai vennan a rah tlai ho chu paih vel
	7 MAMIT		tur ani.
	2	\	Hmun dam lutukah dah loh tur.
	7	¿ AIZAVIL I	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
			tak a hlawi tur ani.
)	7	Lak a mawrtur am. Line Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
) &		In leh loa sawngbawln a a ro dan tu
	(A) y		tawkah chuan: Arabica / robusta
	12	SERCHH	
		SERCHH	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
	- P		March (Pre-bloom) a kah phawt a
	1	CONTRACT OF	Oxycarboxin 0.03% in May - June (Pre-
	\\	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun 🧶	S-2	🛂 Vaimim chinna tur atan lei kan le
	3-3	A N	phut darh anga.
	41	2 \	Hei hian a rawn to chhuah na tur atan
		1 2 6	a pui dawn a ni.
			A chi chu kan lei leh saah chuan kar
			dah ang.
		1	A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
			oawiiguawi iiiiiasa aliga.
		(SAIRA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		1 22 1 1	A chi tuh hma in lei leh FYM @5-10
		THE STATE OF	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		1 1	3 Page

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

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	5	1	awm thin a, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
	27	KOLASIB	@ 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 Huneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAUSAIHA	A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

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

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	Preventive measures	0-3 rd week		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	}	4th weeks		a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or coccidiostat
	/ MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3	A A ZAVIL	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	NP.	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 WINGTI ALS	1 (4	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.
	,	SAIHA	5	7 Page

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SAIHA

LAWNGTLAL

CHAMPAL

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



District: Mamit Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

	1000	E.S.	4.1		
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	3	7	7	14	28
Max Temp (°C)	33	33	33	33	30
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	94	96	98	97	97
Min RH (%)	38	37	38	42	66
Wind Speed (KmpH)	2	4	4	5	6

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- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

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

S-E

(507.7mm)

Date of issue: 09th May, 2017

Kolasib- 236.00mm (428.1mm)

S-E

(430.2mm)Lawngtlai-291.20mm

*Wind Direction

(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):27-29°C Minimum Tem. (°C):16-18°C Maximum RH (%):92-99%

Minimum RH (%):58-84%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

Rainfall: 64.8 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

There are chances of heavy to moderate and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 22-23°C. Maximum relative humidity is expected in the range of 94-98% and minimum may from 37-66%. Wind direction would be southeasterly with the wind speed of 2-6 km per hour. Mainly clear will prevail during the next five days.

Weekly cumulative rainfall: 59.0 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	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KOLKOID	In the citrus belt, trees can be planted
LIME	Stage	1	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
) > /	should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	J. manner	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
PLUM AND	1	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH	1	1	trees on a slight mound to
	1,	1 66	prevent water logging.
		1 3 15	Mulching should be done with dry
	W. (iii		grasses near the tree base to conserve
	13.	1	soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	*	(~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	D1	ml/lit of water) at each flush
		(B A	emergence.
			Citrus Canker - Apply bacterimycin
		2	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
	20050	# SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		F) (beds.
		NYN	2 Page

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		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering	AIZAWL	 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.
COFFEE	Blooming stage	LUNGLEI	 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. 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
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				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		Vi managarana (4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
	1	1 x	335	apply at time of planting to each pit as
	7	7 2 7		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting	2 5	-	Water level shall be maintained for
Rice	stage) 51		better transplant.
	Sugar			Plough the field two to three times.
	J MAMIT	4	-	According to weather forecast next five
	3	(AIZAVIL)	3	days rainfall possibility is less so make
				a bun around the field and close all out
		3		late for well maintenance of water in the field.
	1	1 66	4	Transplant 2-3 seedlings in one place
	\ _	1 1 31		for avoid gap filling.
	1 0		4	Spacing should be 20 cm row to row
	1.1	penguu		and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
	N. Control	W Neg		corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage	N		possibility of moderate rainfall is very
		000000 ACCESS		high. So drainage channel around the
		LUNGLEI	_	field should be maintained.
	7		-	If possible use straw mulch/ grass
		5%		mulch in row to prevent soil loss and
Maize	Vegetative		<u>ं</u>	better growth of plant. According to weather forecast
(Jhum)	Vegetative	PA	_	possibility of moderate rainfall is very
(Onuni)	stage	120 [high. So drainage channel around the
	N N	1 53 9		field should be maintained.
		Y	4	Earthing up soil for better growth and
		LAWNGTLAN		stability in root zone.
		SAIHA	4	Don't use split dose of any nitrogenous
		SAINA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
			1	mulch in row to prevent moisture loss
			MT .	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



				and better growth of plant.
Rabi Maize	Harvesting		4	Harvest all mature cobs from the plant.
Rabi Maize	stage		4	Keep the cob for sun dry, so moisture
	stage		_	level will be maintain.
	7 1	5	4	Thresh the seeds from cob and keep for
			_	drying.
		KOLASIB \		Dry straw should keep for mulching in
	1		5	the field.
VEGETABLE CRO	OP	I.K. N		the neit.
Cowpea	Vegetative		4	According to weather forecast
30 mg 3 m	stage	STATE OF THE STATE		possibility of moderate rainfall is very
	Jugo			high. So drainage channel around the
	Ł.			field should be maintained.
	7 MAMIT	().	4	Earthing up soil for better growth and
	4	AIZAVIL		stability in root zone.
		Culeuran	4	Don't use split dose of any nitrogenous
	\ \	5		fertilizer for better growth.
	3	1	4	If possible use straw mulch/ grass
	1	1 1/25		mulch in row to prevent moisture loss
) &		7000	and better growth of plant.
Okra	Vegetative /		4	According to weather forecast
	stage	SERCHH	IF.	possibility of moderate rainfall is very
		V-C		high. So drainage channel around the
				field should be maintained.
	7	100	-	Earthing up soil for better growth and
				stability in root zone.
		manusare e	-	Don't use split dose of any nitrogenous
		LUNGLEI		fertilizer for better growth.
	(7	If possible use straw mulch/ grass
		500	1	mulch in row to prevent moisture loss
Cingon and	Coming store	A	1	and better growth of plant. Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	2	T _k	@4 g/kg seed.
turmeric		7 7	4	Use optimum seed rate (50-60 kg/ha)
	5	1 63 4	T.	for desire plant population.
			4	Apply well decomposed FYM/ pig
		1	•	manure @ 10-20 t/ha along with
		LAWNGTLAL		$120:80:60$ kg N, P_2O_5 and K_2O/ha
		F SAIHA		incorporate with soil before sowing.
				Half nitrogen dose will use at the time
			3	of sowing and remaining 25% after one
		THE PARTY NAMED IN		0 0

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			month and 25% at flowering stage.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	7	1	Sprouted corms or cormels are planted
) \	£ 5	5-7 deep at a spacing of 40-50 cm
		KOLASIB	between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
	į.	(MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY	I.K. N	MO1 @ 220. 070. 101 kg.
Pig	All stages		4 As the weather gets colder, your pigs'
		Same La	energy requirement will increase, as
			they need more energy to keep warm.
	3		Regularly monitor their level of 'fitness'
	7 MAMIT	4	and increase their feed intake to
	3	& AIZAVVL	maintain.
			Fish oils are excellent for providing slow-release energy with the added
	\	3	advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
) &	Reproductive	
))	Respiratory) (
		Syndrome CHH	P ()
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
Cattle	All age group		interval • Due to prolong dry spell there is a
Cattle	An age group	LUNGLEI	shortage of green grass in the field.
	7		For balanced diet and nutrition to
		5%	your cattle, provide urea molasses
			treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	Primary vaccination 6 month or above
D = -14	T *44	LAWNGTLAN	Revaccination annually Birds require adequate space, sufficient
Poultry	Litter	/ SAIHA	Birds require adequate space, sufficient feed to meet their nutritional
	management		requirements and an adequate supply
		1 12	of good-quality water.
		The Party of the P	

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FISHERY Pond preparation	3rd-4th weeks	GHAI	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. B complex with antibodies Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B ₁₂ Application of fertilizers/manure helps n development of plankton which serve
FISHERY Pond	4-5 th Weeks	GHAI	Calcium tonic fortified with B ₁₂ Application of fertilizers/manure helps
FISHERY Pond	3rd-4th weeks	CHAI	Application of fertilizers/manure helps
Pond		# /	Application of fertilizers/manure helps
			as natural feed for the fishes.
	SERC	SHHIP (Raw cowdung should be applied in the bond 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 bond.
	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.
	LAWNGTEAL	AHI AHI	

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SAIHA

LAWNGTLAL

CHAMPAL

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District: Mamit Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/Mizo

Date of issue: 09th May, 2017

Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	3	7	7	14	28
Max Temp (°C)	33	33	33	33	30
Min Temp (°C)	23	23	23	23	22
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	94	96	98	97	97
Min RH (%)	38	37	38	42	66
Wind Speed (KmpH)	2	4	4	5	6
*Wind Direction	S-E	S-E	S-E	S-E	S-E

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

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):27-29°C Minimum Tem. (°C):16-18°C

Maximum RH (%):92-99%

Minimum RH (%):58-84%

Wind Direction: Southeasterly Cloud cover: Mainly clear

Wind speed: 2-4 km/hr

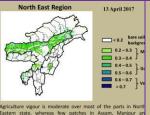
Rainfall: 64.8 mm

10th May– 14th 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 30-33°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 94-98% leh a hniam lai berin 37-66% ni tur a rin niin. Thli hi darkar khatah 2-6 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: 59.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA	}	\$ 1	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PLUM AND PEACH	1)	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang
	15	Gummosis, citrus canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	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.
		to It	215
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			Harvesting Stage
		1	♣ Coffe rah hmin hi thlasik laiin an ser
		1	thin a ni.
			♣ A rah hmin tha lo ho chu nuai saw
	1/2	1	
	1 1		hmain an thliar hrang leh vek thin ani
		Coffee Berry	4 A hun takah leh fimkhhur taka seng t
		borer	ani.
	1	1 ×	Hmaih neih nuaih loh tur ani.
	7	W 5	♣ Sneg hmaih te lakkhawma paih vek tu
	8		ani.
			Seng bang zawng zawng chu uluka tak
	1		paih fai vek tur ani.
		7	4 A thlai vennan a rah tlai ho chu paih ve
	> MAMIT		tur ani.
	1 1024	\ \ {	Hmun dam lutukah dah loh tur.
	1	& ATZAVIL 1	Boruak tha taka a hmuh theih nan leh
		3	rawn chawr no theih nan thlai chu ulu
	\)	tak a hlawi tur ani.
	1	1	4 Chuan hei hian kah tur ani. Quinalphos 2
	A	100	EC @ 340 ml/200 lit emaw lamo
) &	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	A 1	7	In leh loa sawngbawln a a ro dan tu
	1.1		tawkah chuan: Arabica / robus
		SERCHH	
		0-66- 0-4	robusta cherry 11.0%. Natna hrik in a khawih tawh a hnah leh
		Coffee Rust	
			dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in February
			March (Pre-bloom) a kah phawt
			Oxycarboxin 0.03% in May - June (Pr
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon, an kan chilunzawin tur am.
Rabi Maize	A chin hun		↓ Vaimim chinna tur atan lei kan lei
Rabi Maize	A CHIII IIUII	α (~	*L1370
			phut darh anga.
	Ţ.		Hei hian a rawn to chhuah na tur ata
			a pui dawn a ni.
		1 53 4	A chi chu kan lei leh saah chuan ka
		Y .	dah ang.
			A chi chu Thiram @4 g/kg seed hian a
		LAWNGTLAN	sawngbawl hmasa anga.
		f SAIHA	4 20-25 kg/ha vel a chi thlak hi a taw
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-1
			t/ha leh 80:60:40 kg N, P_2O_5 le
	I		
		4	3 P a g e

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

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	57.		awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb ② 2gm ah tui leter 1 pawlha kah
Onion and capsicum	Nursery stage	Poly house	tur ani. 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
	3	Phytopthora blight	Hale ani. A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	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 HUSBE	NDARY		
Pig	All stages	Porcine Reproductive Respiratory	 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.
	3	Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAN	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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		N.	Tui an in tur chhawpna tur tha /liar tha tak leh tui thianghlim tak pek tu
	5		ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga n 1-6 ah F1 vaccine pek tur ani a, chuar
	measures		a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	1	4th weeks	Coccidiosis- Amprolium on
	\$ 11000		coccidiostat
_	7 MAMIT	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY	\ \	(ATZAVIL	CHAMPAI
	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	hmunthum a then a hmunkhat hi di 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 AL	Leitha kan hman atang a karkhar 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 ar 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

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GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

	1000	ES 1	4.0		
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	0	0	0	0	2
Max Temp (°C)	32	32	33	32	32
Min Temp (°C)	21	21	21	21	21
Cloud Coverage	Clear sky	Mainly clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	86	93	98	96	87
Min RH (%)	33	29	31	32	30
Wind Speed (KmpH)	2	2	2	2	2

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

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

*Wind Direction

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

S-E

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm) **Mamit-204.87mm**

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-26°C Minimum Tem. (°C):16-19°C

Maximum RH (%):92-98%

Minimum RH (%):68-89% Wind Direction: Southeasterly

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

Rainfall: 26.4 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

(442.80mm)

Date of issue: 09th May, 2017

There is no chance of rainfall during the next 1 day. The maximum and minimum temperatures for the next 5 days may range for 32-33°C and 21°C. Maximum relative humidity is expected in the range of 86-98% and minimum may from 29-33%. Wind direction would easterly to southeasterly with the wind speed of 2 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 02.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	NOLRSIB L	In the citrus belt, trees can be planted
LIME	Stage	And And	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
		> >/	should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	J. maximi r	4	The bigger the fruit, the farther
PLUM AND	3	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH		1	trees on a slight mound to
	A.	1 600	prevent water logging.
		1 3 1	Mulching should be done with dry
	W. (grasses near the tree base to conserve
	1.2		soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	*	A (~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	31	ml/lit of water) at each flush
		(S A	emergence.
			Citrus Canker - Apply bacterimycin
		1 21	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
	20050	F SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		A C	beds.
		NIN	2 Page

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			4	Immediately after planting these should be kept inside a high humid chamber
		1		made out of bamboo and polythene.
		/	G	rafting:
	3 \	2	4	The root stock of yellow Passion fruit is
		KOLASIB		planted in polythene sleeves and the
		NOLASIB >	V.	section from Rahangala hybrid is
	3	LAC.		grafted using wedge or approach
Dinconnic	Diamonia a	3 1		method of grafting. Apply flowering inducing chemical
Pineapple	Flowering		_	(Ethrel 10 PPM+2% urea+0.04%
	stage			Sodium Carbonate) should be applied
	1			in the heart of the plant. In evening and
	7 MAMIT)		only when plants have at least 32
	5	AIZAVIL	eu.	leaves.
		C MEDINE	-	The flowering emergence will come out
)	1		after 55-60 days after chemical
	1	3 8 6		spraying.
		1 3 0	-	Apply split doses of fertilizer @ 60: 50:60 g per plant.
	1 (4	Remove all unwanted leaves, branches
	1.1	ocnoun		and weed near to the plant.
PLANTATION CR	OP			
COFFEE	Bloomi <mark>ng</mark>	W 1-7	4	If day temperature and prolong dry
	stage			spell occur it lead to Floral
	J.			abnormalities like "Star Flower" in
		1000 CONTRACTOR 1000 CONTRAC	4	Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's
)	LUNGLEI	_	interval, 6 weeks before harvesting
	1			improves fruit retention and fruit
	4	70 S	and the same of th	development, and reduces fruit
		138		cracking and improves the fruit quality.
			4	Mulching should be done with dry
				grasses near the tree base to conserve
		1 21	<u></u>	soil moisture during winter.
			-	The young fruit plant must be irrigated at weekly interval for better
		LAWNGTLAN		establishment.
		/ SAIHA	4	Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75%
		1 12		SSP @ 1.5 g per 200 lt of water 15 days
		The state of the s		

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				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		Vi managarana (4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
	1	1 x	335	apply at time of planting to each pit as
	7	7		basal dose application.
CEREALS AND	PULSE CROPS			
Pre Kharif	Transplanting	2 5	4	Water level shall be maintained for
Rice	stage	> >/		better transplant.
	5			Plough the field two to three times.
	/ MAMIT	4	-	According to weather forecast next five
	\ \frac{1}{2}	AIZAVIL I	2	days rainfall possibility is less so make
	1			a bun around the field and close all out
	1	3		late for well maintenance of water in the field.
	1	3 66	_m	Transplant 2-3 seedlings in one place
		1 3 10	_	for avoid gap filling.
	A		4	Spacing should be 20 cm row to row
	13			and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
	\	V L		corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage	- 1		possibility of rainfall is very less and
	3			maximum temperature will be high so
		LUNGLEI		maintain the moisture level in the field.
	(4	If possible use straw mulch/ grass
	17	22		mulch in row to prevent moisture loss
		Q \ \ \ \ \ \ \ \	-	and better growth of plant.
Maize	Vegetative	2	-	According to weather forecast
(Jhum)	stage	1 7 00		possibility of rainfall is very less and
	8	() 4		maximum temperature will be high so maintain the moisture level in the field.
		No.	_	Earthing up soil for better growth and
		1	_	stability in root zone.
		LAWNGTLAL	4	Use split dose of any nitrogenous
		A SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 000	7	mulch in row to prevent moisture loss
		The state of the s	iii -	•

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Rabi Maize	Harvesting stage		4	and better growth of plant. Harvest all mature cobs from the plant. Keep the cob for sun dry, so moisture level will be maintain. Thresh the seeds from cob and keep for drying.
VEGETABLE CR	OP	KOLASIB	t	Dry straw should keep for mulching in the field.
Cowpea	Vegetative stage	54	4	According to weather forecast possibility of rainfall is very less and maximum temperature will be high so
	& MAMIT	AIZAVVL		maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous
	} ~	1 3	4	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	SERCHH	F	According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Earthing up soil for better growth and stability in root zone.
	1	LUNGLEI	1	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	7	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
		SAIHA		$120:80:60$ kg N, P_2O_5 and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one

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			month and 25% at flowering stage.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
			pits filled up with FYM (12-15) t/ha
	7 7	1	Sprouted corms or cormels are planted
	1 1	£ 5	5-7 deep at a spacing of 40-50 cm
		KOLASIB	between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
	1,	(MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY	I K. N	11101 to 220. 010. 101 fig.
Pig	All stages		♣ As the weather gets colder, your pigs'
		5	energy requirement will increase, as
) 51	they need more energy to keep warm.
	\$ MAMIT		Regularly monitor their level of 'fitness'
	J. III.A.IWILL	1	and increase their feed intake to maintain.
	3	A IZAVVL	Fish oils are excellent for providing
			slow-release energy with the added
	(5	advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
) 6	Reproductive	
))	Respiratory) (
		Syndrome CHH	P ()
		(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	million and an	• Due to prolong dry spell there is a
		LUNGLEI	shortage of green grass in the field.
	1		For balanced diet and nutrition to
	L.	~ E~	your cattle, provide urea molasses
) 		treated paddy straw.
	All age group	Foot and Mouth	FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	 Primary vaccination 6 month or above Revaccination annually
Poultry	Litter	LAWNGTLAN	Pirds require adequate space sufficient
	management	SAIHA	feed to meet their nutritional
		1	requirements and an adequate supply
			of good-quality water.

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FISHERY	reventive measures	0-3 rd week 4th weeks	4	Ranikhet Disease - F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
	- } MAMIT	4th weeks	-	B complex with antibodies
	A CONTRACTOR			Coccidiosis- Amprolium or coccidiostat
	.7%	4-5 th Weeks	in the second	Calcium tonic fortified with B ₁₂
	Pond reparation	3rd-4th weeks		Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
	1	SERCH	+	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.
	1	LUNGLEI	1	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.
		LAWNGTLAL	A	

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Mizoram Centre, Kolasib- 796081, MIZORAM

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District: Saiha Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/Mizo

Date of issue: 09th May, 2017

Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	0	0	0	0	2
Max Temp (°C)	32	32	33	32	32
Min Temp (°C)	21	21	21	21	21
Cloud Coverage	Clear sky	Mainly clear	Mainly clear	Mainly clear	Partially clear
Max RH (%)	86	93	98	96	87
Min RH (%)	33	29	31	32	30
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- June 1-30, 2016 (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

Maximum Tem. (°C):23-26°C

Minimum Tem. (°C):16-19°C Maximum RH (%):92-98% Minimum RH (%):68-89%

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

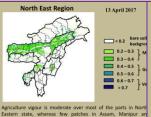
Rainfall: 26.4 mm

10th May- 14th May, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-33°C a ni ang a. A vawh lai ber in 21°C ni tura beisei a ni. RH san lai berin 86-98% leh a hniam lai berin 29-33% 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: 02.0mm

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/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 		
BANANA	}	54	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.		
STAR FRUIT	A MAMIT	AIZAVIL	A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah		
PLUM AND PEACH		Gummosis, citrus	keh tur lakah t a veng thei ani. Temperture hniam lutuk leh hnawng vang		
) 5	canker, citrus greening and Dieback	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.		
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	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.		
		1	2 P a g e		

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			Unwesting Stage
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		fin exercise	thin a ni.
	1	7	♣ 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.
	1	l'a	Hmaih neih nuaih loh tur ani.
	7	W 3 2 7	Sneg hmaih te lakkhawma paih vek tur
	3		ani.
	1	5	Seng bang zawng zawng chu uluka taka paih fai vek tur ani.
	1		A thlai vennan a rah tlai ho chu paih vek
		<i>f</i>	tur ani.
	? MAMIT	1	Hmun dam lutukah dah loh tur.
	7	1	Boruak tha taka a hmuh theih nan leh a
	3	(ATZAVVL	rawn chawr no theih nan thlai chu uluk
		7	tak a hlawi tur ani.
		<i>(</i> }	4 Chuan hei hian kah tur ani. Quinalphos 25
		3 8 6	EC @ 340 ml/200 lit emaw lamda
		1) 0	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
			In leh loa sawngbawln a a ro dan tur
			tawkah chuan: Arabica / robusta
		SERCHH	parchment 10 %, Arabica cherry 10.5 % leh
		1,7~	robusta cherry 11.0%.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		100	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALC AND I	VIII OF OPOPO	HIPTO EXCHINE	monsoon) ah kah chhunzawm tur ani.
CEREALS AND F			T 17. in in
Rabi Maize	A chin hun 🤍	in the	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 63 4	4 A chi chu kan lei leh saah chuan kan
		Y N	dah ang.
			♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		/ SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		D 0	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		NINI	3 Page

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

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			awm thin a , hei hi natna tlanglawn
			ber ani.
		1	Thlai hna lam chi leh zikhlum lam
	7 1	1	chi reng reng enkawl nan Mancozeb
			@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum	1	W > 1	tui pek thin tur ani.
	5		Thlai bul vawn hnawn nana thlai bula
	1	5 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		5	Thlai chhina hmun (nursery) hi hnim a
	<		to loh nan Pendimethalin @ 3.5ml hi
	7 MAMIT		tui liter 1 zelah pawlh a kah hi a tha
	8	AIZAVIL	CHA hle ani.
	1	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	4		(Apron)/ kg seed hi a tha hle ani
	1	1 3 3	Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper
	A 5		oxychloride a tui liter 1 hi 10-15 DAS a
		ecnous	pek hi a tha hle ani.
French bean	Sowing stage	(Surceni	🛂 Tui pek a hnihnah hringa khuh tur ani
			a. than a that theih nan tui pek hma
		100 M	in lei rin pan hmasak tur ani.
	J.		A than duna theih nan leh hnim to loh
		DUMUES ED	na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and	Sowing stage	LUNGLEI	♣ A than a that theih nan nikhat danah
radish	Sowing stage		tui pek thin tur ani.
iauisii		A 82	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
	5		🚢 Zikhlum lam chi ah chuan sik leh
			📝 sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		F SAIHA	chi reng reng enkawl nan
		1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.

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ANIMAL HUSBE	NDARY		
Pig	All stages MAMIT	Porcine Reproductive Respiratory Syndrome	 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.
		(PRRS).	
	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	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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		1	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a,
) /	1	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
	measures	~~ (a puitlingh chuan R₂B vaccine pek tur ani. ■ B complex with antibodies
	1	4th weeks	♣ Coccidiosis - Amprolium or
	- ∫ MAMIT	4-5 th Weeks	coccidiostat
PICHEDY	2/ 1/2/2/2010	4-5th weeks	♣ Calcium tonic fortified with B ₁₂
FISHERY	Pond	3 rd -4 th weeks	➡ Dil a leitha hman hian sangha chaw
	preparation (Dil buatsaih)	J-1- Weeks	kan tih mai planktons insiam nan a tanpui thin.
		SERCHI	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 STATE AND THE AND THE ADDRESS OF T	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.
		SAIHA	5
		4	7 P a g e

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SAIHA

LAWNGTLAL

CHAMPAL

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GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/English

		f.			
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	0	0	0	5	9
Max Temp (°C)	32	32	32	32	31
Min Temp (°C)	21	22	22	23	22
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	92	97	100	95	86
Min RH (%)	36	31	34	37	39
Wind Speed (KmpH)	0	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- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Champhai- 105.48mm **Aizawl- 384.87mm**

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

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(428.1mm)Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

*Wind Direction

Lunglei-326.00mm (465.14mm)

(442.80mm)

(259.62mm)

S-E

Weather summary of the past three days

Maximum Tem. (°C):26-28°C

Minimum Tem. (°C):18-19°C Maximum RH (%):91-99% Minimum RH (%):65-81% Wind Direction: Easterly

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

Rainfall: 57.4 mm

Weather forecast valid from 10th May, 2017 To 14thMay, 2017.

Date of issue: 09th May, 2017

There are chances of light rainfall during the next 2 day. The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 21-22°C. Maximum relative humidity is expected in the range of 86-100% and minimum may from 31-39%. Wind direction would be easterly to southeasterly with the wind speed of 0-2 km per hour. Mainly clear sky will prevail during the next five days.

Weekly cumulative rainfall: 14.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	2	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KOLKOID	In the citrus belt, trees can be planted
LIME	Stage	1	at any time, however, spring is the best
	(3 4 /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
) > /	should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT		exact distance depends on the variety.
	J. maximi r	4	The bigger the fruit, the farther
PLUM AND	3	AIZAVIL	the distance.
	1		If the soil is not well-drained, plant the
PEACH		3	trees on a slight mound to
	A.	1 600	prevent water logging.
		1 3 15	Mulching should be done with dry
	W. (grasses near the tree base to conserve
	1.2	1	soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		W. Land	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	/	Dieback, Lamon	branches protect healthy plant from soil
		butterfly and leaf	borne disease.
	7	minor	Lamon butterfly- Spray monocrotophos
	*	(~	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
	1	D1	ml/lit of water) at each flush
		(B A	emergence.
			Citrus Canker - Apply bacterimycin
		2	@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
	stage	LAWNGTLAN	quality fruits and free of virus diseases
	20050	# SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		F) (beds.
		N	2 Page

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	5	KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
Pineapple	Flowering stage	AIZAWL	 ♣ 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			T TC 1
COFFEE	Blooming stage	LUNGLEI	 ♣ If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. ♣ 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

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4 | P a g e

				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
	3 1	2		and seedlings.
		Vi managarana (4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
		1 x	335	apply at time of planting to each pit as
	7	7 2 7		basal dose application.
CEREALS AND				
Pre Kharif	Transplanting	2 5	-	Water level shall be maintained for
Rice	stage) 51		better transplant.
	Sugar			Plough the field two to three times.
	J MAMIT	4	-	According to weather forecast next five
	3	(AIZAVIL)	3	days rainfall possibility is less so make
				a bun around the field and close all out late for well maintenance of water in
	1	3		the field.
	4	1 6 6	_	Transplant 2-3 seedlings in one place
	\ _	1 1 31		for avoid gap filling.
			4	Spacing should be 20 cm row to row
	1.1	penguu		and 15 cm plant to plant.
		SERCHH	4	Keep some seedlings in nursery or
	A.	W Neg		corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage	N		possibility of rainfall is very less and
		000000 ACCESS		maximum temperature will be high so
		LUNGLEI	_	maintain the moisture level in the field.
	7		-	If possible use straw mulch/ grass
		5		mulch in row to prevent moisture loss and better growth of plant.
Maize	Veretative		<u>ं</u>	According to weather forecast
(Jhum)	Vegetative	PA	_	possibility of rainfall is very less and
(Onuni)	stage	120 [maximum temperature will be high so
	Y Y	1 53 9		maintain the moisture level in the field.
		Y	4	Earthing up soil for better growth and
		LAWNGTLAN		stability in root zone.
		SAIHA	4	Use split dose of any nitrogenous
		SAINA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
			1	mulch in row to prevent moisture loss
			MT .	

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				and better growth of plant.
Rabi Maize	Harvesting		4	Harvest all mature cobs from the plant.
Rabi Maize	stage			Keep the cob for sun dry, so moisture
	stage		-	level will be maintain.
	7 1	5	_	Thresh the seeds from cob and keep for
	1 1	()	_	drying.
		KOLASIB \		Dry straw should keep for mulching in
	1	1	5	the field.
VEGETABLE CR)D	L.K.		the neit.
Cowpea	Vegetative		4	According to weather forecast
Cowpea	(1)		_	possibility of rainfall is very less and
	stage	()		maximum temperature will be high so
	J	/		maintain the moisture level in the field.
	7 MAMIT		4	Earthing up soil for better growth and
		\ \	6	stability in root zone.
	1	A A ZAVVL	9.	Use split dose of any nitrogenous
	(1		fertilizer for better growth.
	\ .	(3	4	If possible use straw mulch/ grass
	4	1 66		mulch in row to prevent moisture loss
	1	1 1		and better growth of plant.
Okra	Vegetative		4	According to weather forecast
	stage	ocnou.		possibility of rainfall is very less and
	Stage	SERCHH	13:	maximum temperature will be high so
				maintain the moisture level in the field.
	1	<u></u>	4	Earthing up soil for better growth and
	1		No.	stability in root zone.
			4	Use split dose of any nitrogenous
		LUNGLEI		fertilizer for better growth.
	>	THE CONTRACTOR	4	If possible use straw mulch/ grass
	1			mulch in row to prevent moisture loss
	<u> </u>	A ()		and better growth of plant.
Ginger and	Sowing stage	3 \	+	Rhizome should be treated with Thiram
turmeric		(5 7	3	@4 g/kg seed.
			+	Use optimum seed rate (50-60 kg/ha)
			3	for desire plant population.
			*	Apply well decomposed FYM/ pig
		LAWNGTLAL		manure @ 10-20 t/ha along with
		SAIHA		120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha
				incorporate with soil before sowing.
			city.	Half nitrogen dose will use at the time
		200		of sowing and remaining 25% after one

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			month and OFO/ at flavoring atoms
Colocasia	Cowing store		month and 25% at flowering stage. # Planting is done well prepared land or
Colocasia	Sowing stage		pits filled up with FYM (12-15) t/ha
			Sprouted corms or cormels are planted
	7 1		5-7 deep at a spacing of 40-50 cm
			between and within rows in the pits.
		KOLASIB	Inorganic fertilizer like Urea, SSP and
	1		MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	VDARY	7 6	
Pig	All stages		4 As the weather gets colder, your pigs'
		5	energy requirement will increase, as
			they need more energy to keep warm.
	(\$\delta\)		Regularly monitor their level of 'fitness'
	7 MAMIT	1	and increase their feed intake to
	5	AIZAVIL	maintain.
		A comment of	Fish oils are excellent for providing
))	slow-release energy with the added
	1	1	advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	1. 0	Reproductive	1
	12	Respiratory	2 1
		Syndrome CHH	IP (
		(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		• Due to prolong dry spell there is a
Cattle	An age group	LUNGLEI	shortage of green grass in the field.
	3		For balanced diet and nutrition to
		22	your cattle, provide urea molasses
	7	(A) (1)	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	ago group	Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	3 3 3	(BQ)	Primary vaccination 6 month or above
		LAWNETIALS	Revaccination annually
Poultry	Litter	SAIHA	Birds require adequate space sufficient
	management	III (SAIDA	feed to meet their nutritional
		V .	requirements and an adequate supply
			of good-quality water.
		The state of the s	

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		KOLASIB	4	Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds. B complex with antibodies
	A MAMIT	4th weeks		Coccidiosis- Amprolium or coccidiostat
	7 11121111	4-5 th Weeks	100	Calcium tonic fortified with B ₁₂
FISHERY		(ATGAYYL	GH	AMPAI
	Pond preparation	3rd-4th 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.
	1	LUNGLEI	1/2	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.
		LAWNGTLAN		
			5.	7 P a g e

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SAIHA

LAWNGTLAL

CHAMPAL

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District: Serchhip Period: 10 May - 14 May, 2017

Bulletin No: - 699/2017/ Bulletin/Mizo

	- 1 A	f	1		
Parameters	10.05.2017	11.05.2017	12.05.2017	13.05.2017	14.05.2017
Rainfall (mm)	0	0	0	5	9
Max Temp (°C)	32	32	32	32	31
Min Temp (°C)	21	22	22	23	22
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Mainly clear	Mainly cloudy
Max RH (%)	92	97	100	95	86
Min RH (%)	36	31	34	37	39
Wind Speed (KmpH)	0	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- June 1-30, 2016 (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: 09th 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):26-28°C

Minimum Tem. (°C):18-19°C Maximum RH (%):91-99% Minimum RH (%):65-81%

Wind Direction: Easterly Cloud cover: Mainly clear

Wind speed: 3-4 km/hr

Rainfall: 57.4 mm

10th May- 14th 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 31-32°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 86-100% leh a hniam lai berin 31-39% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 14.0mm

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	}	\$	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	A 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
PLUM AND PEACH	}	}	keh tur lakah t a veng thei ani.
	1	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	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.
		T N. A	2 P a g e

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			Harvesting Stage	
		1	Coffe rah hmin hi thlasik laiin an se	en o
		1	thin a ni.	ciig
			♣ A rah hmin tha lo ho chu nuai sa	
	1. 1.	1		
	1 1		hmain an thliar hrang leh vek thin a	
		Coffee Berry	A hun takah leh fimkhhur taka seng	tur
		borer	ani.	
	1	1 ×	Hmaih neih nuaih loh tur ani.	
	7	W 5	♣ Sneg hmaih te lakkhawma paih vek	tur
	5		ani.	
	1		Seng bang zawng zawng chu uluka t	aka
	1		paih fai vek tur ani.	
		7	A thlai vennan a rah tlai ho chu paih	vek
	> MAMIT		tur ani.	
	J. meant	4	Hmun dam lutukah dah loh tur.	1
	1	& ATZAVIL 1	Boruak tha taka a hmuh theih nan le	
		3	rawn chawr no theih nan thlai chu u	luk
	1)	tak a hlawi tur ani.	0.5
	1	1	Chuan hei hian kah tur ani. Quinalphos	
	A	100	EC @ 340 ml/200 lit emaw lar	
) &	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.	
	A 1	7	In leh loa sawngbawln a a ro dan	
	1.1		tawkah chuan: Arabica / robu	
		SERCHH		ien
		0-66- 0-4	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah le	h o
	l l	Coffee Rust		n a
			dang te paihpaih vek tur ani. Bordeaux mixture 0.5% in Februar	
			March (Pre-bloom) a kah phawt	
			Oxycarboxin 0.03% in May - June (I	
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.	16-
CEDEALS AND	DITT OF ODODS	-10-10-10-10-10-1	monsoon an kan chiunzawin tur am.	
CEREALS AND I		CV	Waimin ahinna tun atau lai l	1
Raul Walze	A chin hun	4	Vaimim chinna tur atan lei kan	ıσι
		31	phut darh anga.	
			Hei hian a rawn to chhuah na tur a	tan
			a pui dawn a ni.	
		1 53 9	🔻 A chi chu kan lei leh saah chuan l	kan
		Y Y	dah ang.	
		A CONTRACTOR OF THE PARTY OF TH	♣ A chi chu Thiram @4 g/kg seed hian	ak
		LAWNGTLAL	sawngbawl hmasa anga.	
		₹ SAIHA	4 20-25 kg/ha vel a chi thlak hi a ta	wk
		ALC:	vel viau ani.	
			A chi tuh hma in lei leh FYM @5	-10
			t/ha leh $80:60:40$ kg N, P_2O_5	
			-	
		4	3 P a g	е

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

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	57	1	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb ② 2gm ah tui leter 1 pawlha kah
		KOLASIB	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 Huneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	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

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

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	5	1	#	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
	Preventive	0-3 rd week	*	ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures		4	a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
	{	4 th weeks	4	Coccidiosis- Amprolium or coccidiostat
	MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	3		CHA	MPAL
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	#	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI		Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A LAWNGTIAN	*	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.
		SAIHA	·	5)
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ICAR RESEARCH COMPLEX FOR NEH RECION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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