

**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District:** Lawngtlai

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

Date of issue: 29th June, 2018

		- 10 <b>6</b> -1	4.5				
Parameters	30.06.2018		02.07.2018	03.07.2018	04.07.2018		
Rainfall (mm)	53	27	13	9	7		
Max Temp (°C)	30	30	30	31	32		
Min Temp (°C)	12	14	13	13	13		
Cloud Coverage	Mainly cloud	y Mainly cloudy	Mainly cloudy	Partially clear	Partially clear		
Max RH (%)	96	97	94	98	98		
Min RH (%)	69	62	68	61	57		
Wind Speed (KmpH)	2	4	2	2	2		
*Wind Direction	E	S-E	S-E	S-E	E		
Northe	rly- <mark>N</mark> , North	-Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Pre Me	onsoon- May 1	-31, 2018 (Percent	of deviation from	n normal in parer	nthesis)		
Aizawl- 383.68mm	Champhai	- 239.49mm S	aiha- 109.52 mm	Kolasib-	352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm		p-411.72mm		
(285.5mm)	· · · · · · · · · · · · · · · · · · ·	186.21mm)	(442.80mm	*	(259.8mm)		
Weather summary	of the past	Weather fored	cast valid from	a 30 <sup>th</sup> June, 20	18 To 04 <sup>th</sup>		
three day	S	July, 2018.					
Maximum Tem. (°C):2	27-29°C	There are chances of moderate to light and heavy rainfall					
Minimum Tem. (°C):1	7-19°C	during the next 5 days. The maximum and minimum					
Maximum RH (%):92-	98%	temperatures for the next 5 days may range for 30-32°C					
Minimum RH (%):86-		and 12-14°C. Maximum relative humidity is expected in					
Wind Direction: Sout				2	-		
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	the range of 94-98% and minimum may from 57-69%.					
Wind speed: 3.02 km	· · · · · · · · · · · · · · · · · · ·	Wind direction would be easterly to southeasterly and					
	,	easterly with the wind speed of 2-4 km per hour. Mainly					
Rainfall: 75.6 mm		cloudy sky will prevail during the next five days.					
		Weekly	cumulative r	ainfall: 109.0	mm		
NDVI for Mizoram		North East Region 29	Mildly drv	condition of	curs in all		
		~~ =-	districts of				
		-					
		Frank AS					
		Sent I					
		00	ET .				
		Anticulture views to residentia cost correct the	1997 - C.				
		region					
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			6		1   P a g e		



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

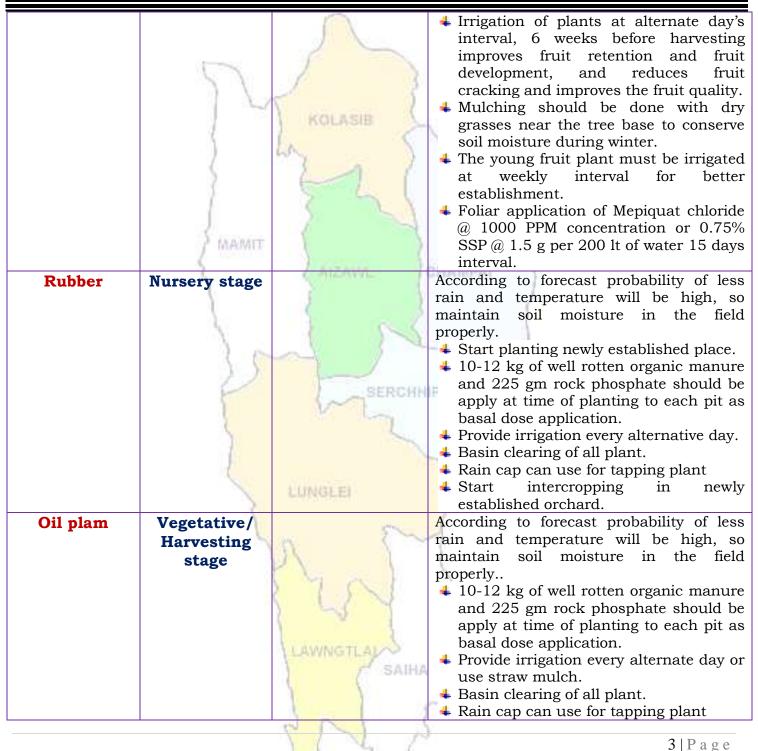


Main C /	<b>C</b> 4	0-1/ 1				
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	5	According to forecast probability of less			
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so			
AND ACID	stage	6	maintain soil moisture in the field properly.			
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the			
	(	1 1	nursery immediately after extraction in			
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at			
	1	2 2 1	10x5 cm distance. Seedlings are planted			
			in secondary bed or polythene bags at 4-			
PLUM AND	MAINIT		6 leaf stages. Water must b provide			
PEACH	2 martines	Access of	every alternate days.			
	1	A ATZAWAL	Potting mixture of soil, sand and FYM or			
			compost should be in proper ratio.			
		(	Application of split dose of fertilizer 600:			
	S	1 5	200:100 (g/pt).			
	1	V SN	<ul> <li>Only certified seed should be used.</li> <li>Stagnation of water in beds should be</li> </ul>			
	1.5		avoided.			
	0	SERCHI	↓ In the citrus belt, trees can be planted			
		(~) SERUM	at any time; however, pre-monsoon is			
	2		the best time for transplant or gap			
	1	1	filling.			
	1		<b>4</b> Standard-size trees should be spaced 12			
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should			
		LUNGLEI	be set 6 to 10 feet apart. The exact			
	5		distance depends on the variety. The			
		500	bigger the fruit, the farther the distance.			
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos			
		citrus Canker,	@0.04% @1.2 ml/lt of water.			
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5			
		Dieback, Lamon	ml/lit of water) at each flush emergence.			
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin			
		leaf minor	@0.6 g/lt of water.			
PLANTATION CR						
COFFEE	Blooming	) / SAIH/	4 If day temperature and prolong dry			
	stage		spell occur it lead to Floral			
			abnormalities like "Star Flower" in			
		25	Arabica and "Pink Flower" in Robusta.			
	2   P a g e					



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		Start 🔶	intercropping in newly
		estal	olished orchard.
		🕹 Fruit	are harvested when they attain
	17		size, develop attractive colour with
	1 6		num sugar and acid blend.
<b>Passion Fruit</b>	Transplanting	🚽 High	yielding mother vine with good
	stage		ity fruits and free of virus diseases
	Stage		ld be selected to provide cuttings.
	1		atting should contain at least 3
	S		and must be planted in sand
	35	beds	
	1		2 kg of well rotten organic manure
			225 gm rock phosphate should be
	MAMIT		y at time of planting to each pit as
	10000000	hasa	l dose application.
	3.0		ide irrigation every alternate day or
	1		straw mulch.
		Graftin	
			root stock of yellow Passion fruit is
	1.1.2		ted in polythene sleeves and the
	S . (*		on from Rahangala hybrid is
	12	aroft	ed using wedge or approach
			nod of grafting.
	8		ide irrigation every alternate day or
	5		straw mulch.
CEREALS AND	PULSE CROPS	user	
Maize	Vegetative	4 Acco	rding to forecast probability of less
(Jhum)	stage		and temperature will be high, so
(oncarrey	Stuge		tain soil moisture in the field
	1	prop	
	5		hing up soil for better growth and
			llity in root zone.
		📕 Use	split dose of any nitrogenous
			izer for better growth.
Maize	Sowing stage		to three plough are necessary to
	3 3		the soil well pulverized and weed
		LAWNGTLAL free	
		SAIHA See	d is being placed in furrows.
			d should be treated with Thiram
			g/kg seed.
			optimum seed rate (20-25 kg/ha)
	•	6 1 3	
			4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHH	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 2	5   P a g e
		-	JIIAge



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



us crop	0 0			According to forecast probability of
				less rain and temperature will be high,
	1			so maintain soil moisture in the field
	67	1		properly.
		2	+	Provide split doses of urea (70g/pt) at
		KOLASIB		the time of full blooming.
	1	C C	٠	Apply irrigation every alternate day or
	)	LA.		use straw mulch for conserve soil
	(	1 1 1		moisture. In large gardens apply carbaryl 0.2 per
	1		-	cent or malathion 0.15 per cent
	E.	( ) I		suspension containing sugar or
				jeggery at 10 g/l at fortnightly
	MAMIT			intervals at flowering and fruit
	Z	1000000	2005	initiation against fruit fly and
	S	AIZAWL	C MA	pumpkin beetle.
Chilli	Vegetative to	5	4	According to forecast probability of
	flowering	Sec. 1		less rain and temperature will be high,
	stage	1 1		so maintain soil moisture in the field
	2 6	~ 1		properly.
	))		+	Earthing up soil for better growth and
	1	SERCHN	IF.	stability in root zone.
	1	V~L	-	Apply irrigation every alternate day or use straw mulch for conserve soil
				moisture.
	1		4	Don't use split dose of any nitrogenous
	-t		-	fertilizer for better growth.
		LUNGLEI	4	If possible use straw mulch/ grass
	3	and a hear set	1	mulch in row to prevent moisture loss
		(m	-	and better growth of plant.
	1	Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
			- (2	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	6	1 7 261	- 3	fortnightly intervals at flowering and fruit
	1	$\langle ( \rangle \times \langle \rangle \rangle$	6	initiation.
Cowpea	Vegetative		4	According to forecast probability of less
	stage	and the second		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		SAIHA		properly.
			_*	Earthing up soil for better growth and
				stability in root zone. Don't use split dose of any nitrogenous
		R N	-	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			fertilizer for better growth.
Okra	Vegetative		According to forecast probability of less
	stage		rain and temperature will be high, so
		1 2	maintain soil moisture in the field
		1	properly.
	the last	V NOV S PUT	<b>4</b> Earthing up soil for better growth and
		KOLASIB	stability in root zone.
		Lo.	Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage		+ Planting is done well prepared land or
	1	2 5 1	pits filled up with FYM (12-15) t/ha
		2. 54	Sprouted corms or cormels are planted
	Same		5-7 deep at a spacing of 40-50 cm
	/ MAINIT	S	between and within rows in the pits.
	3 c	LAIZAWE I	+ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			Animala mart lagar in the state of
Pig	All stages	3 6 6	Animals must keep in dry place or
			kept in alleviated area and dry bedding
			(straw) to be provided to young animals.
	11		
	-	SERCHH	<sup>4</sup> 1 <sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age
	1	V	followed by annual vaccination under
	5		vet supervision against FMD.
			<ul> <li>Reduce concentrate diet up to 5%.</li> </ul>
	P		<ul> <li>Provide adequate potable water.</li> </ul>
		LUNGLEI	In present weather conditions
	2	Provide and a second	vaccinate against swine fever (Vaccines
	1		available in State Veterinary Departs)
	5	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	S.
		Syndrome (PRRS).	1
Cattle	All age group	1 58 1	4 In present weather conditions, special
		1	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		- SAIHA	Application of turpentine oil in the
			wounds followed by application of
			antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
			710000
		1 4 6	7   P a g e



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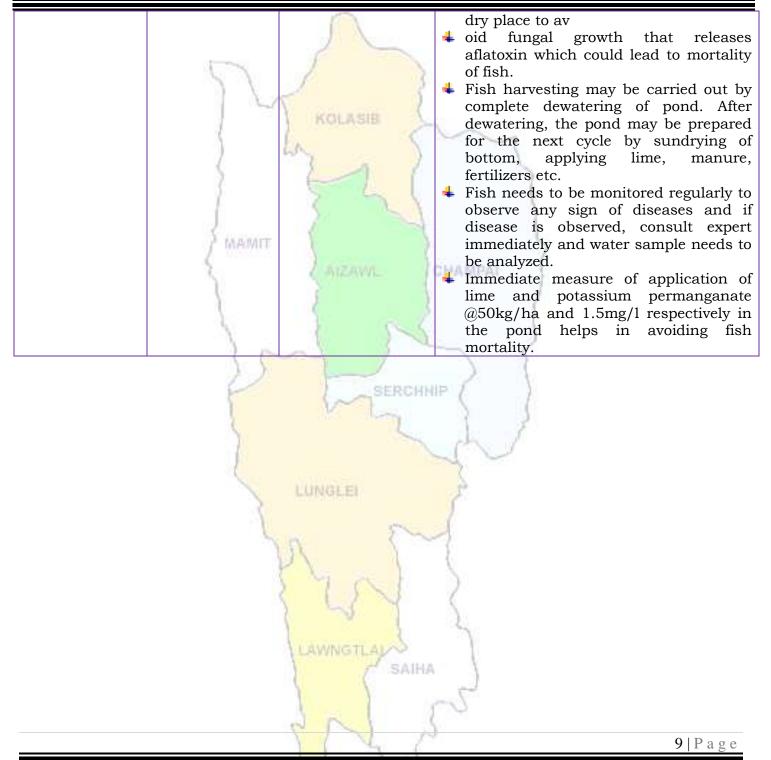


			feed
			Provide 10-30 ml of vitamin B-Complex
	1000	f internet	in feed
	8.2	1 3	↓ 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
		- 1	injection after 6 months of 1 <sup>st</sup> injection
		KOLASIE	followed by annual vaccination under
	1	1 monorial 2	vet supervision.
	)	LA N	4 Separate sick animals.
	6	3 4 1	<b>4</b> The animal should be washed with
	2		lukewarm water added with little
	6	2 2 1	potash (KMnO4) or neem leaves. Long hair near the
			6
	AMAINT		udder/stomach/back legs should be teamed short.
Poultry	All age group		<ul> <li>Provide preventive dose of anti-coccidial</li> </ul>
Fourtry	All age group	A ATZAWIL	drugs to poultry.
			<ul> <li>Proper ventilation of shed.</li> </ul>
		5	<ul> <li>Provide glucose/electral along with</li> </ul>
	S		vitamin supplements (@5- 6ml/100
	1	A STA	birds) with adequate potable water
	100		4 Avoid overcrowding.
	0	SERCHN	<b>+</b> Provide broad-spectrum antihelminthic
		(~) SERVIN	drugs under vet supervision and
	2		recommended doses.
	0.0		+ Vaccination as per the schedule with
			proper consultation with vet.
		NAR CONTRACTOR	> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3		days: Intermediate plus/IBD
	6	5	vaccine, 35 days: F/Lasota, 6-7
		A Vie	weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days:
		PN	RD R-2B strain.
		1 7 61	♣ Remove wet litter.
FISHERY		1 La Y	
	Monitoring of		<b>4</b> Care should be taken that fish are fed
	fish in pond	LAWNGTLAN	with feed that are free from fungus. If
		- SAIHA	the fungal growth is observed in fish
			feed, the feed needs to be sundried for
			few days prior to feeding.
		1211	4 Fish feed should be stored in cool and
		V V V	8   P a g e



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



#### **Expert committee members:**

Dr. I. Shakuntala	:	Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com



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

Guwahati)



#### **District:** Lawngtlai

Bulletin	<b>No:</b> -	803/2	2018/	Bulletin/	Mizo
				1	0

**Period:** 30 June - 04 July, 2018

#### Date of issue: 29th June, 2018

		1. P. 1				
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		Westerly- <mark>S-W</mark> , We				
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent ) i- 239.49mm (250.30mm) -344.00mm (186.21mm)	Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib- m) m Serchhip m)	352.38mm (380.9mm) -411.72mm (259.8mm)	
Weather summary three day	•	30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):92- Minimum RH (%):86- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 3.02 km	7-19°C 98% 91% heasterly cloudy /hr	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin of 94-98% leh a hniam lai berin 57-69% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 75.6 mm		Weekly cumulative rainfall: 109.0mm				
NDVI for Mizoram		Agriculture agence to the spectrum	Moderately conditions	wet mildly dr	y/mildly wet	
		5N7	ß		1   P a g e	



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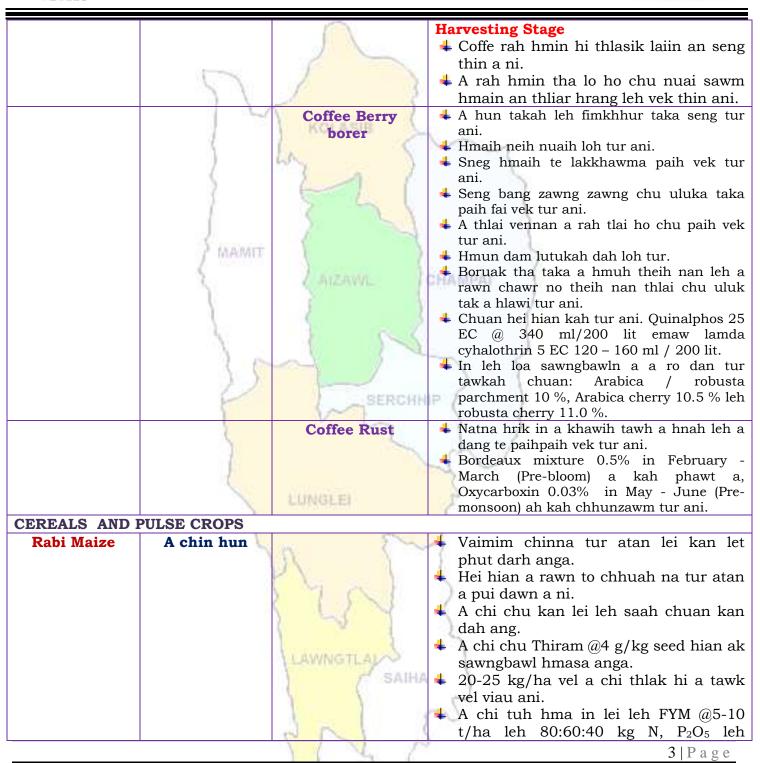


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	velah dahkhawm tur ani.
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh
	(	3 4 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1	\(	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
PEACH		Our contraction attempt	<b>4</b> Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5	greening and Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		- ERCHN	rah tan tirin chawlhkar hnih chhung chu
	5	N. Long	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	0.7		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	in the second second li	Nursery stage
		55	+ Thlai chi thlak hma in Azospirillum leh
		n (~~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
		91 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 201	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		2 -2 1	buhpawla khuh tur ani.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
		1 1	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		a R I	
		VIV A	2   P a g e



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	K <sub>2</sub> 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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		V V V	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn
			ber ani.
	1000	f in	Thlai hna lam chi leh zikhlum lam
	81	1 3	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum	)	WAY IN D	tui pek thin tur ani.
	S	2 1	+ Thlai bul vawn hnawn nana thlai bula
	5	State 1	hnim ring vawm khawm hi tui pek
		5 51	zawhah dah tur ani.
	2		+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	S	Laszana 1	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	$\downarrow$ A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	20	blight	(Apron)/ kg seed hi a tha hle ani
	- N		Hneh taka 1% Bordeaux chawhpawlh
	2.0	~ /	emaw 2 g captan emaw 3 copper
	11		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
		N La	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
	1	N 100	4 A than duna theih nan leh hnim to loh
	1 C		na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish	1	5	tui pek thin tur ani.
		11 11	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
			↓ Zikhlum lam chi ah chuan sik leh
		127 6 1	sa vangin a hnah ah thil dum a
		1 La Y	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	↓ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		( (	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		2010	pumini hun tur ann.
			<b>5</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
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.
		PN 2	<b>6</b>   P a g e



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lia: tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga r
	measures	6	1-6 ah F1 vaccine pek tur ani a, chua
		W7 2 )	a puitlingh chuan R <sub>2</sub> B vaccine pek tu
	2		ani.
	1	2 5	B complex with antibodies
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium o
	FINAMIT		coccidiostat
	1	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWIL J	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initial atang a tur io nisear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>
		6 5 1	710.000
			7   P a g e

#### Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA 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:** Lunglei

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

Date of issue: 29th June, 2018

Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018		
Rainfall (mm)	39	27	7	14	13		
Max Temp (°C)	31	31	30	31	32		
Min Temp (°C)	24	24	23	24	24		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear		
Max RH (%)	100	100	100	100	100		
Min RH (%)	74	58	86	65	58		
Wind Speed (KmpH)	2	2	2	2	2		
*Wind Direction	E	S-E	S-E	E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
		31, 2018 (Percent					
Aizawl- 383.68mm	-		aiha- 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm	-	-411.72mm		
(285.5mm)	i	.86.21mm)	(442.80mn		(259.8mm)		
Weather summary		Weather fored		a 30 <sup>th</sup> June, 20	18 To 04 <sup>th</sup>		
three day		July, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to light and heavy rainfall					
Minimum Tem. (°C):1		during the next 5 days. The maximum and minimum					
Maximum RH (%):93-		temperatures for the next 5 days may range for 30-32°C					
Minimum RH (%):78-	90%	and 23-24°C. Maximum relative humidity is expected in					
Wind Direction: Sout		the range of 100% and minimum may from 58-86%. Wind					
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·						
Wind speed: 3.05 km	/hr	direction would be easterly to southeasterly and easterly					
		with the wind speed of 2 km per hour. Mainly cloudy sky					
Rainfall: 80.8 mm		will prevail during the next five days.					
				ainfall: 100.0			
NDVI for Mizoram		23	0 0	condition oc	curs in all		
			districts of	Mizoram.			
		Stor I					
		Case!	E.				
		At 1	1				
		. B.	· ·				
		Agriculture vigeur is moderate over some of the	parts N				
		BNI	3.0				
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

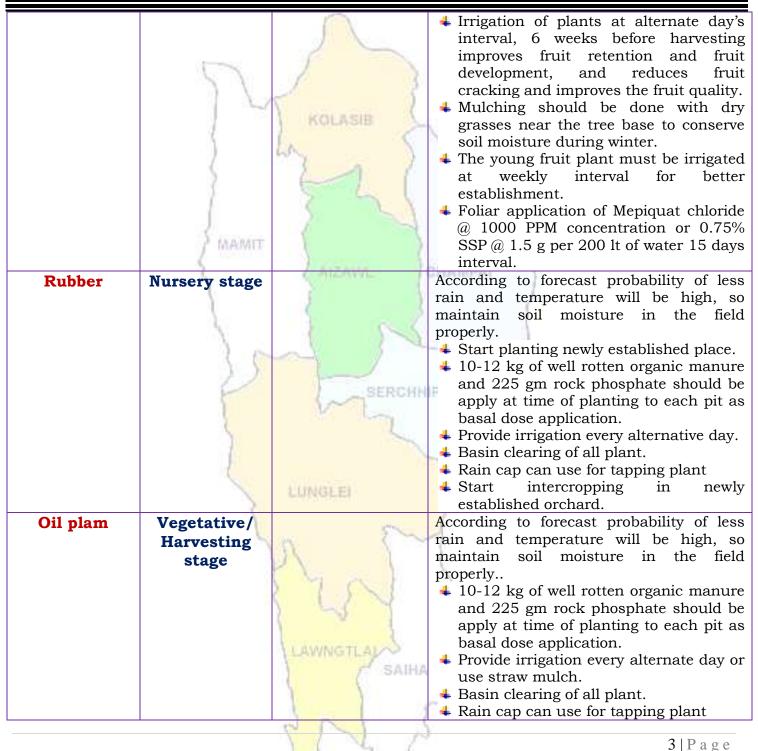


Main O I	04.	01/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	6	maintain soil moisture in the field properly.
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the
	(	1 1	nursery immediately after extraction in
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at
	1	2 2 1	10x5 cm distance. Seedlings are planted
			in secondary bed or polythene bags at 4-
PLUM AND	MAINIT		6 leaf stages. Water must b provide
PEACH	2 martines	Access of	every alternate days.
	1	A ATZAWAL	Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
	S	1 5	200:100 (g/pt).
	1	V SN	<ul> <li>Only certified seed should be used.</li> <li>Stagnation of water in beds should be</li> </ul>
	1.5		avoided.
	0	SERCHI	↓ In the citrus belt, trees can be planted
		(~) SERUM	at any time; however, pre-monsoon is
	2		the best time for transplant or gap
	1	1	filling.
	1		Standard-size trees should be spaced 12
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	5		distance depends on the variety. The
		500	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	) / SAIH/	↓ If day temperature and prolong dry
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		25	Arabica and "Pink Flower" in Robusta.
		VIL /	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	Start intercropping in newly established orchard.
57	$\int$	Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Transplanting stage	KOLASIB	<ul> <li>High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings.</li> <li>A cutting should contain at least 3 buds and must be planted in sand beds.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Provide irrigation every alternate day or use straw mulch.</li> <li>Grafting:</li> <li>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.</li> <li>Provide irrigation every alternate day or use straw mulch.</li> </ul>
PIILSE CROPS		
Vegetative stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Sowing stage	LAWNGTLAL	<ul> <li>Two to three plough are necessary to get the soil well pulverized and weed free.</li> <li>Seed is being placed in furrows.</li> <li>Seed should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (20-25 kg/ha)</li> </ul>
	stage MAMIT PULSE CROPS Vegetative stage	Sowing stage



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
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			J   1 d g C



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	12	4 According to forecast probability of
us crop	Fluiting stage	A A	less rain and temperature will be high,
usciop			so maintain soil moisture in the field
			properly.
	2.5	1 5	<ul> <li>Provide split doses of urea (70g/pt) at</li> </ul>
		5	the time of full blooming.
		KOLASIB	<b>4</b> Apply irrigation every alternate day or
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	1.	use straw mulch for conserve soil
	)	~~ )	moisture.
	S		↓ In large gardens apply carbaryl 0.2 per
	5	Star La L	cent or malathion 0.15 per cent
	1	$\left( \begin{array}{c} F \end{array} \right)$	suspension containing sugar or
			jeggery at 10 g/l at fortnightly
	/ MAMIT		intervals at flowering and fruit
	Z massion	100500	initiation against fruit fly and
	1	AIZAWIL J	pumpkin beetle.
Chilli	Vegetative to	5	4 According to forecast probability of
	flowering	Sec. and	less rain and temperature will be high,
	stage	1 55	so maintain soil moisture in the field
		at 1 th	properly.
	1.)		<b>4</b> Earthing up soil for better growth and
		SERCHN	stability in root zone.
	5	w l	4 Apply irrigation every alternate day or
	8		use straw mulch for conserve soil
	7		moisture.
			Don't use split dose of any nitrogenous
	and the second s	March Second	fertilizer for better growth.
		LUNGLEI	+ If possible use straw mulch/ grass
	5		mulch in row to prevent moisture loss and better growth of plant.
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		Fruit Ily	or malathion 0.15 per cent suspension
			containing sugar or jeggery at 10 g/l at
		1701	fortnightly intervals at flowering and fruit
		L L Y	initiation.
Cowpea	Vegetative	( ¥ 1	According to forecast probability of less
	stage	LI MARIETT AL	rain and temperature will be high, so
		LAWNGTLAN	maintain soil moisture in the field
		A SAIHA	
			<b>4</b> Earthing up soil for better growth and
		1 5 1	stability in root zone.
		P A A	4 Don't use split dose of any nitrogenous
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia ANIMAL HUSBE	Sowing stage	AIZAWL	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
			4 Animals must keep in dry place or
Pig	All stages	LUNGLEI	<ul> <li>kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Reproductive Respiratory Syndrome (PRRS).	1. Cuming of positive pigs of pigiets.
Cattle	All age group	LAWNGTLAN	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the</li> </ul>
		8151 A	
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

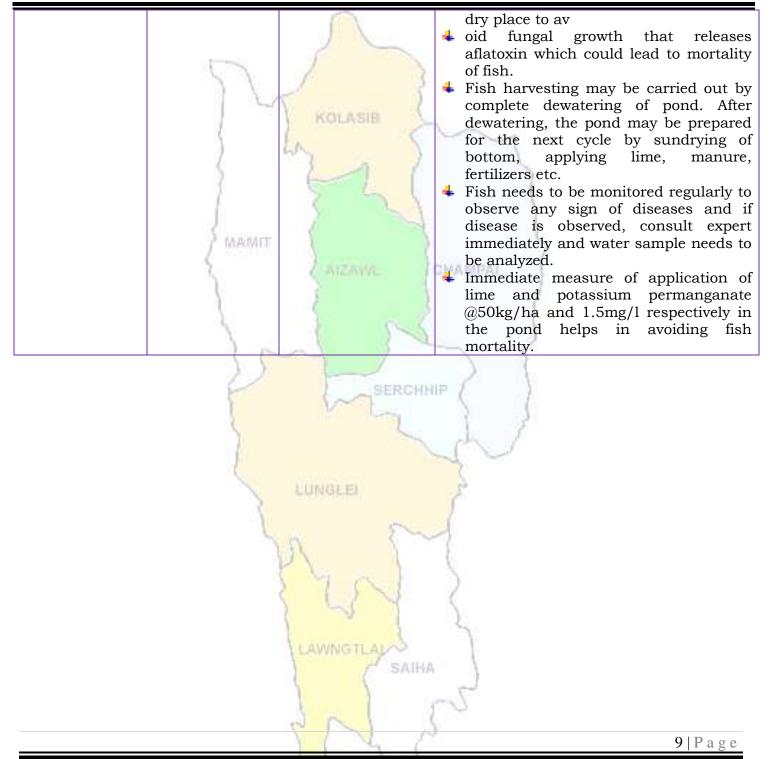


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
			in feed
		1	4 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
	2.1	2 2	injection after 6 months of 1 <sup>st</sup> injection
		N	followed by annual vaccination under
		KOLASIB	vet supervision.
	( )	0.00	<ul> <li>Separate sick animals.</li> </ul>
	)	way is a	+ The animal should be washed with
	5	1 1	lukewarm water added with little
	6	the same of the	potash (KMnO4) or neem leaves.
	- E		Long hair near the
			udder/stomach/back legs should be
	AMAMIT		teamed short.
De14		1	
Poultry	All age group	Z ATZAWIL /	Provide preventive dose of anti-coccidial drugs to poultry.
			drugs to poultry.
	1	2 2	<ul> <li>Proper ventilation of shed.</li> <li>Provide always (alesteral always with</li> </ul>
	100	1 al	+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	2 0	~ /	birds) with adequate potable water
			4 Avoid overcrowding.
		SERCHN	Provide broad-spectrum antihelminthic
		V	drugs under vet supervision and
	2		recommended doses.
	0		4 Vaccination as per the schedule with
			proper consultation with vet.
	11 A	10 mil 11 a	> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3		days: Intermediate plus/IBD
		S	vaccine, 35 days: F/Lasota, 6-7
	2	$n \sim$	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		2 1 1 3	🔸 Remove wet litter.
FISHERY			1
	Monitoring of		<b>4</b> Care should be taken that fish are fed
	fish in pond	LAWNGTLAL	with feed that are free from fungus. If
	F	- SAIHA	the fungal growth is observed in fish
		(	feed, the feed needs to be sundried for
			few days prior to feeding.
			<b>4</b> Fish feed should be stored in cool and
		6121	
			8   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. I. Shakuntala		Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Lunglei

	<b>Bulletin No:</b> -	803/2018/	Bulletin/Mizo
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1

#### **Period:** 30 June – 04 July, 2018

#### Date of issue: 29th June, 2018

Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018
Rainfall (mm)	17	14	23	43	58
Max Temp (°C)	32	31	30	28	30
Min Temp (°C)	18	18	17	16	17
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	100	100	99
Min RH (%)	70	70	81	88	71
Wind Speed (KmpH)	2	3	5	3	3
*Wind Direction	E	S-E	S-E	E	E
		Easterly- <mark>N-E</mark> , Eas			
		Vesterly- <mark>S-W</mark> , We			
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm) Weather summary of three day Maximum Tem. (°C):2	Champha Lunglei- of the past s		Saiha- 109.52 m (87.2m) Mamit-449.48m (442.80m) A <sup>th</sup> July, 20 dinhmun tu	m Kolasib- m) m Serchhip m) 18 chhunga r tlangpui	352.38mm (380.9mm) -411.72mm (259.8mm) sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):93- Minimum RH (%):78- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 3.05 km Rainfall: 80.8 mm	C):17-18°C 193-98% 78-90% outheasterly ly cloudy km/hr tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. vawh lai ber in 23-24°C ni tura beisei a ni. RH san la berin 100% leh a hniam lai berin 58-86% ni tur a rin niin Thli hi darkar khatah 2 km vela chakin chhaklam av zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhur hian khawthiang tak hmuh beisei a ni.				a ni ang a. A . RH san lai ur a rin niin. nhaklam awi nga chhung
NDVI for Mizoram		North East Region 23.6x	Mildly dry districts of	condition oc Mizoram.	curs in all
		1 1	12		1   Page



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

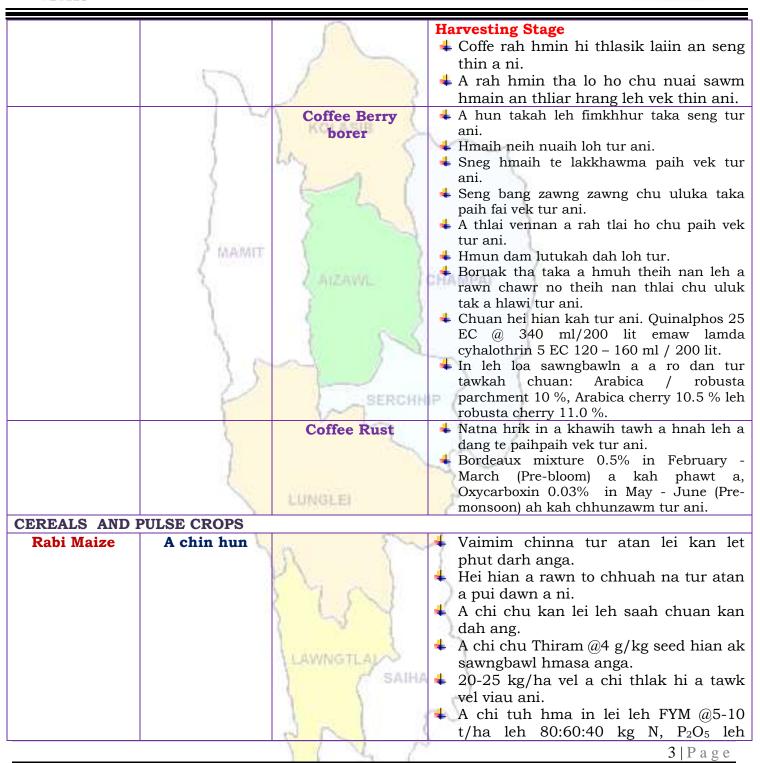


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 NOLMOID >	velah dahkhawm tur ani.		
LIME	)	La N	4 Thlai naupang deuah chuan chawlh		
	(	3 4 1	kar tin a tui pek thin tur ani.		
BANANA	2		4 Leia tha mamawh tawk a hmuh		
	1	2 5	theihna turin a hmunhma a hnim awm		
			te thlawhfai thin tur ani.		
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha		
	Interiori I	5 6	taka pek hian a rah tla tur chelh nan		
	3.0	LAIZAWAL I	leh a rah than that nan te leh a rah		
PLUM AND			keh tur lakah t a veng thei ani.		
PEACH					
	1	Gummosis, citrus	<b>4</b> Temperture hniam lutuk leh hnawng vang		
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh		
		greening and	a trangah te hnawih tur ani.		
	11	Dieback			
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu		
	1	V	heng te hian enkawl tur ani: carbaryl 0.2		
	5		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	Press and a second s	Nursery stage		
	1		+ Thlai chi thlak hma in Azospirillum leh		
	1	n ?~~	Phosphobacterium a enkawl tur ani.		
		3	♣ A chi hi December – January ah hmun		
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		1 5 5 5	tlar mumal tak siam in chin tur ani.		
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		LAWNGTLAN	4 Nitin tui pek tur ani a, a sat lutuka loh		
		SAIHA	nan niin a chhun loh nan zar hliah tur		
		( SAINA			
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu		
bag ah an sawn chhuak leh thin ani.					
210.000					
			2   P a g e		



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soybean, pea,	All stage	Zero tillage	<ul> <li>K<sub>2</sub>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.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in		- A	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
rice fellow Potato	Sowing stage	AIZAWL SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	OP Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAU	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		VIZ M	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	Numoor	Poly house	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	Nursery stage	AIZAWAL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>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.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>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.</li> </ul>
French bean	Sowing stage	100000	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		P C L	
		I L L	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		· · · · · · · · · · · · · · · · · · ·
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> <li>CHAMPAL</li> </ol>
	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
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.
		900	<b>6</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\bigwedge$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	211	a puitlingh chuan $R_2B$ vaccine pek tur ani.
	1	5 5	+ B complex with antibodies
	1 and 1	4 <sup>th</sup> weeks	Coccidiosis- Amprolium or coccidiostat
	/ MARINA L	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	ARZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		201	Y
		1140	7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



8 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District: Mamit**

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

#### Date of issue: 29th June, 2018

		P.	1			
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018	
Rainfall (mm)	15	21	8	7	5	
Max Temp (°C)	31	31	30	31	32	
Min Temp (°C)	25	24	23	23	23	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	
Max RH (%)	99	99	98	100	100	
Min RH (%)	67	75	66	59	51	
Wind Speed (KmpH)	2	2	2	4	4	
*Wind Direction	E	E	S-E	S	S	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
		31, 2018 (Percent				
Aizawl- 383.68mm	· · · · · · · · · · · · · · · · · · ·		aiha- 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm		-411.72mm	
(285.5mm)		186.21mm)	(442.80mn		(259.8mm)	
Weather summary		Weather forecast valid from 30 <sup>th</sup> June, 2018 To 04 <sup>th</sup>				
three day		July, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):2		next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):99-		the next 5 days may range for 30-32°C and 23-25°C.				
Minimum RH (%):85-		Maximum relativ	ve humidity is	expected in the	range of 98-	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·		U	<b></b>	0	
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	100% and minimum may from 51-75%. Wind direction would be easterly to southeasterly and southerly with the				
Wind speed: 3.45 km	/hr	wind speed of 2-4 km per hour. Mainly cloudy sky will				
		prevail during the next five days.				
Rainfall: 91.6 mm		prevail during the next live days.				
		Westel		nainfall, EC O		
				rainfall: 56.0 1		
NDVI for Mizoram		3		condition oc	curs in all	
		AT2 ==	districts of	Mizoram.		
		- Sugar				
		225 1	i la companya de la c			
		CAST I	1			
		-R				
		Agriculture vigour is moderate over some of the region.	parts Is			
		201	S.			
		1 Charles	12		1   Page	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

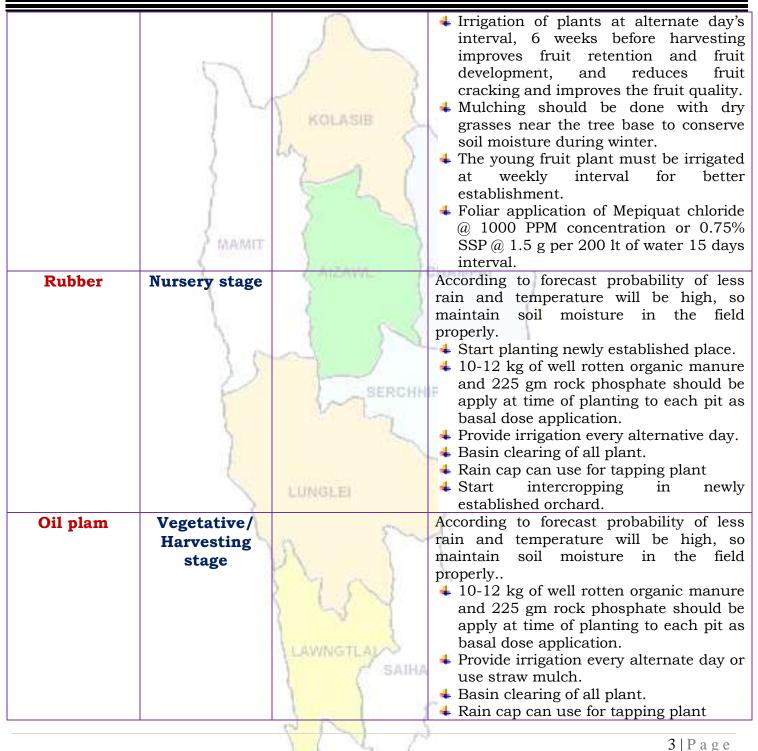


Main One /	Sterre .	<b>O-1</b> (	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	6	maintain soil moisture in the field properly.
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the
	(	1 1	nursery immediately after extraction in
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at
	1	2 21	10x5 cm distance. Seedlings are planted
			in secondary bed or polythene bags at 4-
PLUM AND	AMAINIT		6 leaf stages. Water must b provide
PEACH	2	Access of the	every alternate days.
	1	A AIZAWAL	+ Potting mixture of soil, sand and FYM or
	1		compost should be in proper ratio.
			Application of split dose of fertilizer 600:
	S		200:100 (g/pt).
	1	V SN	4 Only certified seed should be used.
	1.5		Stagnation of water in beds should be avoided.
	12	SERCH	In the citrus belt, trees can be planted
		SERUM	at any time; however, pre-monsoon is
	5		the best time for transplant or gap
		1	filling.
	1		Standard-size trees should be spaced 12
	(	A THE REPORT OF	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3		distance depends on the variety. The
		0.00	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	) / SAIH/	+ If day temperature and prolong dry
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		25	Arabica and "Pink Flower" in Robusta.
		VIL /	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			Start intercropping in newly
			established orchard.
			✤ Fruits are harvested when they attain
			full size, develop attractive colour with
	2.1	1 5	optimum sugar and acid blend.
Desets a Dest4	///	1	
<b>Passion Fruit</b>	Transplanting	KOLASIE	+ High yielding mother vine with good
	stage		quality fruits and free of virus diseases
	1	LA.	should be selected to provide cuttings.
	(		<b>4</b> A cutting should contain at least 3
	2		buds and must be planted in sand
	2	5 6	beds.
	1	5. 5.4	<b>4</b> 10-12 kg of well rotten organic manure
	520 -	1	and 225 gm rock phosphate should be
	MAMIT	1	apply at time of planting to each pit as
	2 martine	A second second	basal dose application.
	16	ATZAWIL /	<ul> <li>Provide irrigation every alternate day or</li> </ul>
	1		use straw mulch.
		6 3	Grafting:
		3 0 6	
	- X		+ The root stock of yellow Passion fruit is
			planted in polythene sleeves and the
	1.1		section from Rahangala hybrid is
		SERCHN	grafted using wedge or approach
			method of grafting.
			Provide irrigation every alternate day or
			use straw mulch.
CEREALS AND			
Maize	Vegetative	NUMBER OF STREET	<b>4</b> According to forecast probability of less
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
· ·	3		maintain soil moisture in the field
		0	properly.
	5	n (~~	<b>4</b> Earthing up soil for better growth and
		1.	stability in root zone.
			<b>4</b> Use split dose of any nitrogenous
			fertilizer for better growth.
Maize	Sowing stage	1 50 7	4 Two to three plough are necessary to
			get the soil well pulverized and weed
		the state of the state of the	free.
		LAWNGTLAU	Seed is being placed in furrows.
		/ SAIHA	<ul> <li>Seed should be treated with Thiram</li> </ul>
			@4 g/kg seed.
		N R (	Use optimum seed rate (20-25 kg/ha)
		V V N	4   P a g e
			4   r a g e



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	7	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHH	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 3	5   P a g e
		-	JIIAge



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Cucurbitaceo	Fruiting stage	12	According to forecast prob	ability of
us crop	Finiting stage	A A	less rain and temperature wi	
usciop			so maintain soil moisture in	0
			properly.	
	2.5	1 5	Provide split doses of urea (	70g/pt) at
		5	the time of full blooming.	1 08/ pt/ at
		KOLASIB	Apply irrigation every alterna	ate dav or
	(	1.	use straw mulch for con	
	)	~~ )	moisture.	
	S		In large gardens apply carba	ryl 0.2 per
	5	Star La L	cent or malathion 0.15	
	1	$\left( \begin{array}{c} F \end{array} \right)$		sugar or
	2		jeggery at 10 g/l at 1	
	/ MAMIT			and fruit
	C massion	100500	initiation against fruit	fly and
	1	AIZAWIL J	pumpkin beetle.	-
Chilli	Vegetative to	5	According to forecast prot	
	flowering	Sec. and	less rain and temperature wi	
	stage	1 55	so maintain soil moisture in	n the field
		at 1 th	properly.	
	1)		Earthing up soil for better g	rowth and
		SERCHN	stability in root zone.	_
	5	w l	Apply irrigation every alterna	•
	8		use straw mulch for con	serve soil
	3		moisture.	.,
			Don't use split dose of any ni	itrogenous
	and the second s	MIN CONTRACTOR	fertilizer for better growth.	ala / ama a a
		LUNGLEI	If possible use straw mul	
	5		mulch in row to prevent moi and better growth of plant.	isture loss
		Fruit fly	↓ In large gardens apply carbaryl 0	) 2 per cent
		Fruit Ily	or malathion 0.15 per cent	
		P Var and V	containing sugar or jeggery at	
		1010	fortnightly intervals at flowering	g and fruit
		Y La Y	initiation.	
Cowpea	Vegetative		According to forecast probabi	
	stage	LAWNGTLAN	rain and temperature will be	
			maintain soil moisture in	the field
		SAIHA	properly.	norreth and
			Earthing up soil for better g	iowin and
			stability in root zone. ↓ Don't use split dose of any ni	trogenous
		P A		
				5   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	AIZAWL	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBE	All stages		4 Animals must keep in dry place or
Pig			<ul> <li>kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Reproductive Respiratory Syndrome (PRRS).	
Cattle	All age group	LAWNGTLAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the</li> </ul>
		6 1 1	710
			7   P a g e



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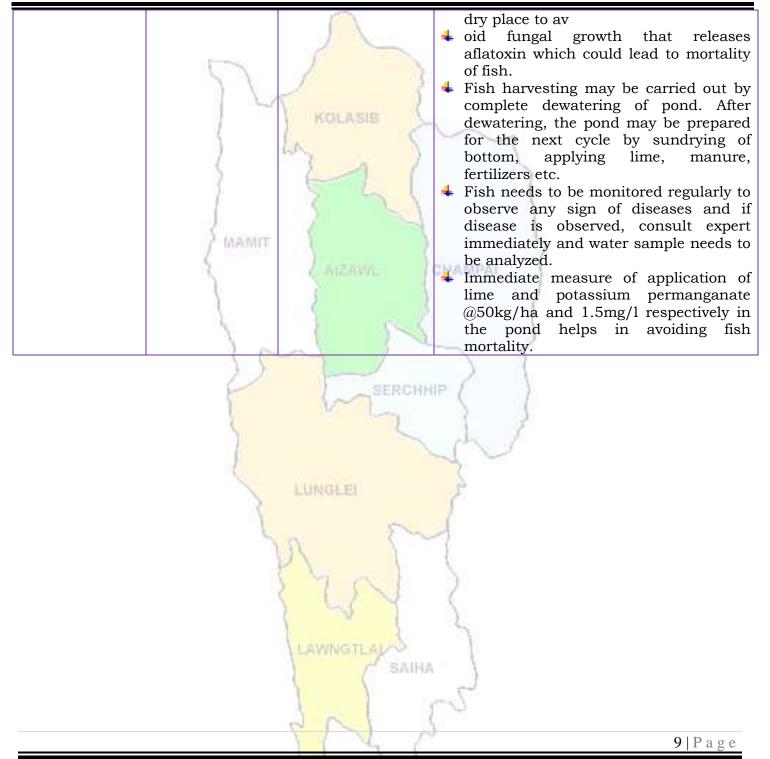


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
			in feed
		1	4 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
	2.1	1 2	injection after 6 months of 1 <sup>st</sup> injection
		N	followed by annual vaccination under
		KOLASIB	vet supervision.
	(	0.	4 Separate sick animals.
	)	way in the	4 The animal should be washed with
	S	2 1 1	lukewarm water added with little
	5	and a second second	potash (KMnO4) or neem leaves.
	E.		Long hair near the
			udder/stomach/back legs should be
	MAMIT	1	teamed short.
Poultry	All age group		<ul> <li>Provide preventive dose of anti-coccidial</li> </ul>
I Guilty	An age group	Z AIZAWIL	drugs to poultry.
	1	2 1	<ul> <li>Proper ventilation of shed.</li> </ul>
		6 5	<ul> <li>Provide glucose/electral along with</li> </ul>
		and and	vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
			<ul> <li>Avoid overcrowding.</li> </ul>
	11		<ul> <li>Provide broad-spectrum antihelminthic</li> </ul>
		SERCHN	drugs under vet supervision and
	1	V	recommended doses.
	5		4 Vaccination as per the schedule with
			proper consultation with vet.
			> Day old chick: HVT Marek disease
	100	A Construction of the Cons	vaccine, 4-7 days: $\neg$ F/Lasota, 14-18
		LUNGLEI	days: Intermediate plus/IBD
	1		vaccine, 35 days: F/Lasota, 6-7
			weeks: Chicken embryo adopted
		A D	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		1 7 6 1	↓ Remove wet litter.
FISHERY		5 62 4	
	Monitoring of		4 Care should be taken that fish are fed
	fish in pond	LI AMPLETT ALLAS	with feed that are free from fungus. If
	iisii in pona	LAWNGTLAN	the fungal growth is observed in fish
		SAIHA	feed, the feed needs to be sundried for
			few days prior to feeding.
			Fish feed should be stored in cool and
		6 1 1	
			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)



#### **Expert committee members:**

Dr. I. Shakuntala	:	Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA 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: Mamit**

	<b>Bulletin No: -</b>	803/2018	/ Bulletin/Mizo
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**Period:** 30 June - 04 July, 2018

### Date of issue: 29th June, 2018

		100				
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018	
Rainfall (mm)	15	21	8	7	5	
Max Temp (°C)	31	31	30	31	32	
Min Temp (°C)	25	24	23	23	23	
Cloud Coverage	Mainly cloudy		Mainly cloudy	Partially clear	Partially clear	
Max RH (%)	99	99	98	100	100	
Min RH (%)	67	75	66	59	51	
Wind Speed (KmpH)	2	2	2	4	4	
*Wind Direction	E	E	S-E	S	S	
Northe	rly- N, North-l	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei-	31, 2018 ( <i>Percent</i> ) i- 239.49mm (250.30mm) 344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m) Mamit-449.48m (442.80m	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary of three day	of the past s	30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):99- Minimum RH (%):85- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 3.45 km Rainfall: 91.6 mm	1-22°C 100% 92% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 100% leh a Thli hi darkar k zawngin a tleh s hian khawthiang	Khua a lum lai 23-25°C ni tu a hniam lai ber chatah 2-4 km rin a ni. A tlas g tak hmuh bei	berin 30-32°C ara beisei a ni rin 51-75% ni t vela chakin c ngpuiin tun ni sei a ni.	a ni ang a. A . RH san lai ur a rin niin. hhaklam awi nga chhung	
		North East Region	_	rainfall: 56.0r		
NDVI for Mizoram			Mildly dry districts of	condition oc Mizoram.	curs in all	
		rN.	P		1   Page	

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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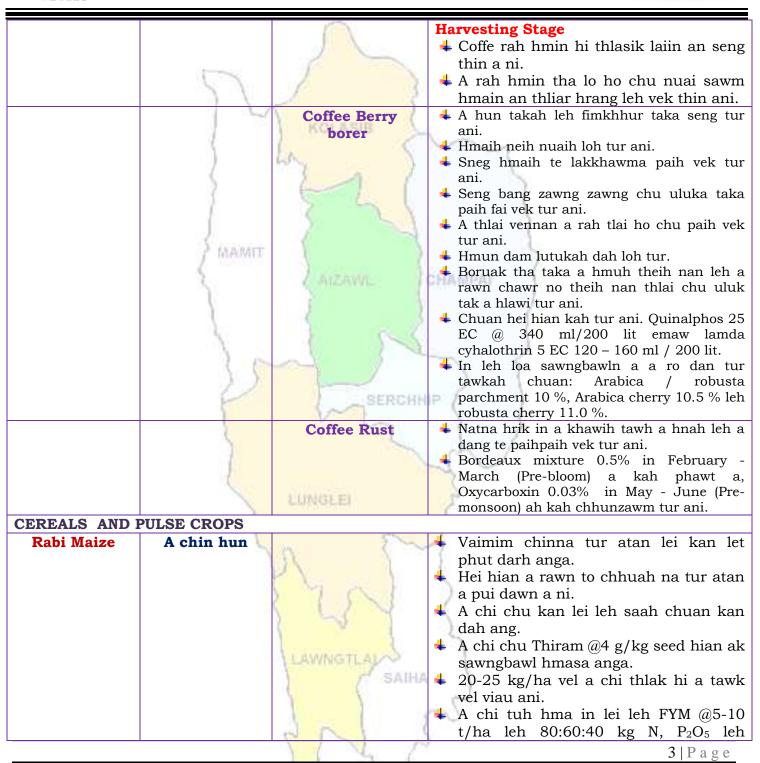


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	velah dahkhawm tur ani.
LIME	)	La l	4 Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2	theihna turin a hmunhma a hnim awm
		22	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 meaning	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	2 ATZAWAL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	Nº La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 g/l.
PLANTATION CR			
COFFEE	All stages	111110111111	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	5	n 7~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		The set 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
		N	buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		( ( 5411)4	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		8 N A	210
			2   P a g e



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	2	$\sum$	$K_2O/ha$ 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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		612 1	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



Onion and		KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
Onion and capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>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.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>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.</li> </ul>
French bean	Sowing stage		<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		PN 2	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> <li>CHAMPAL</li> </ol>
	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
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.
		8 N 2	<b>6</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	211	a puitlingh chuan $R_2B$ vaccine pek tur ani.
	1	2 5	➡ B complex with antibodies
	1	4 <sup>th</sup> weeks	Coccidiosis- Amprolium or coccidiostat
	/ MADATE	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	ATZAWIL	CHAMPAI
	Monitoring (Sangha enkawl)	LUNGLEI LAWINGTLAL SAIHA	<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		< < < >	710000
			7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District: Saiha**

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

#### Date of issue: 29th June, 2018

			4.1		
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018
Rainfall (mm)	47	40	17	23	9
Max Temp (°C)	31	32	31	31	31
Min Temp (°C)	14	14	15	15	15
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	99	100	98	100	99
Min RH (%)	74	70	78	66	63
Wind Speed (KmpH)	4	3	3	2	2
*Wind Direction	E	S-E	E	S-E	E
Northe	rly- N, North-l	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
		31, 2018 (Percent o			
<b>Aizawl- 383.68mm</b>	-		<mark>aiha</mark> - 109.52 mm		352.38mm
(341.8mm)		50.30mm)	(87.2mm		(380.9mm)
Lawngtlai-321.51mm	Lunglei-3		lamit-449.48mm	-	-411.72mm
(285.5mm)		86.21mm)	(442.80mn	· · · · · · · · · · · · · · · · · · ·	(259.8mm)
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forec			18 10 04 <sup>th</sup>
three day			July, 2		
Maximum Tem. (°C):2		There are chanc			
Minimum Tem. (°C):1		during the next	•		
Maximum RH (%):95-		temperatures for	the next 5 d	ays may range	for 31-32°C
Minimum RH (%):82-9		and 14-15 <sup>0</sup> C. M	laximum relati	ve humidity is	expected in
Wind Direction: Sout	✓	the range of 9	98-100% and	minimum ma	ty from 63-
Cloud cover: Partially		78%.Wind direct	tion would be	easterly to sou	theasterly to
Wind speed: 3.05 km	/ חד	easterly to south		•	<b>v</b>
		of 2-4 km per h	2	<b>.</b>	<b>–</b>
Rainfall: 79.2 mm		the next five day	•	Judy Sity will p	ievan during
		the next live day	5.		
		Weelela	our latino a	ainfall 126.0	
NDVI for Mizoram		North East Region 29 Jac		ainfall: 136.0	
NDVI for Mizoram		10 million (1997)		condition oc	curs in all
		- 33 E	districts of	Mizoram.	
		CA IS			
		201			
		AS.	y none Wery		
		Ny such as a subserve over some of the per	n North		
		Mar.	~		
		1 C L			1   Page

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

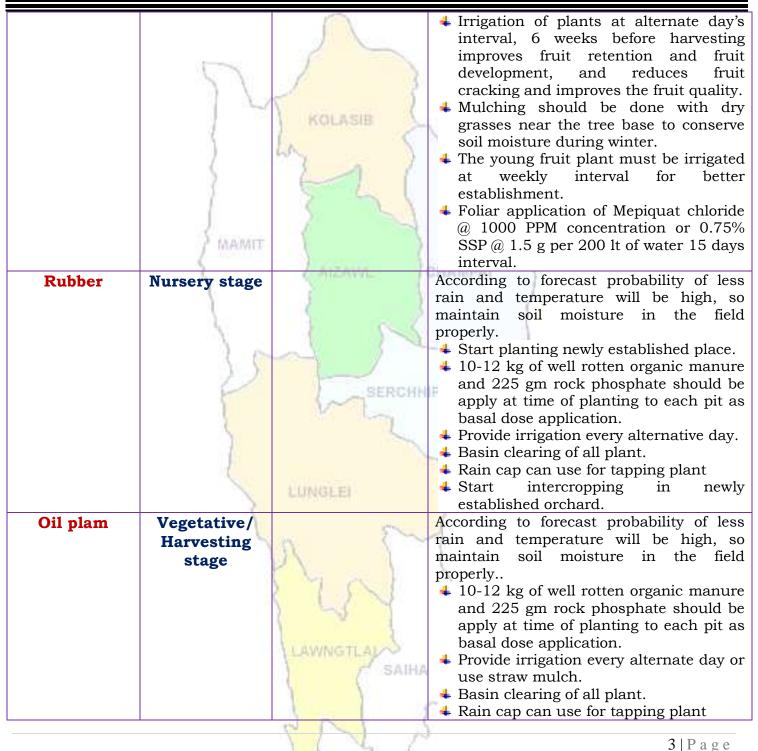


	Ct.	0-1/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	6	maintain soil moisture in the field properly.
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the
	(	1 1	nursery immediately after extraction in
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at
	1	2 2 1	10x5 cm distance. Seedlings are planted
			in secondary bed or polythene bags at 4-
PLUM AND	MAINIT		6 leaf stages. Water must b provide
PEACH	Z. Waster	Accession of	every alternate days.
	1	A ATZAWAL	Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
	S	1 5	200:100 (g/pt).
	1	V SN	<ul> <li>Only certified seed should be used.</li> <li>Stagnation of water in beds should be</li> </ul>
	1.5		avoided.
	0	SERCHI	↓ In the citrus belt, trees can be planted
		(~) SERUM	at any time; however, pre-monsoon is
	2		the best time for transplant or gap
	1	1	filling.
	1		Standard-size trees should be spaced 12
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	5		distance depends on the variety. The
		500	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		A A	Arabica and "Pink Flower" in Robusta.
		VIV 1	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Start intercropping in newly
			established orchard.
			✤ Fruits are harvested when they attain
	17	1	full size, develop attractive colour with
		1 2	optimum sugar and acid blend.
<b>Passion Fruit</b>	Transplanting		<b>4</b> High yielding mother vine with good
- 4001011 - 1410	stage	KOLASIB	quality fruits and free of virus diseases
	Stage	6.	should be selected to provide cuttings.
	1	60 y	<b>4</b> A cutting should contain at least 3
	S	2 0	buds and must be planted in sand
	35		beds.
	1	CAN	<b>4</b> 10-12 kg of well rotten organic manure
			and 225 gm rock phosphate should be
	MAMIT	1	apply at time of planting to each pit as
	10000000	1	basal dose application.
	3.0	ATZAWIL	<ul> <li>Provide irrigation every alternate day or</li> </ul>
	1	1	use straw mulch.
		< S	Grafting:
		1 5 6	The root stock of yellow Passion fruit is
	1 1 2		planted in polythene sleeves and the
	S . (*		section from Rahangala hybrid is
	12		grafted using wedge or approach
		SERCHN	method of grafting.
	8	No tan	<ul> <li>Provide irrigation every alternate day or</li> </ul>
	5		use straw mulch.
CEREALS AND	PULSE CROPS		
Maize	Vegetative		According to forecast probability of less
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
(onung	Stage	the of the second se	maintain soil moisture in the field
	1		properly.
	5	n 2~~	<b>4</b> Earthing up soil for better growth and
		11	stability in root zone.
			<b>4</b> Use split dose of any nitrogenous
		3 1 5 8	fertilizer for better growth.
Maize	Sowing stage	) 55 7	4 Two to three plough are necessary to
-	0		get the soil well pulverized and weed
		LAWNGTLAN	free.
		- SAIHA	Seed is being placed in furrows.
		( SAINA	4 Seed should be treated with Thiram
			@4 g/kg seed.
			Use optimum seed rate (20-25 kg/ha)
	•	6 1 1	)
		The C	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma) VEGETABLE CRO	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
Ginger and turmeric	Sowing stage	LAWNGTLAU	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 1	5   P a g e
			011450



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	0	4	According to forecast probability of
us crop				less rain and temperature will be high,
	1	f is		so maintain soil moisture in the field
	8	1 3		properly.
		6 5	-	Provide split doses of urea (70g/pt) at
		KOLASIB		the time of full blooming.
	1	C C	J.	Apply irrigation every alternate day or use straw mulch for conserve soil
	)	WA N		moisture.
		1 1	4	In large gardens apply carbaryl 0.2 per
	1	the second second	-	cent or malathion 0.15 per cent
	E.	5 21		suspension containing sugar or
				jeggery at 10 g/l at fortnightly
	? MAMIT			intervals at flowering and fruit
	Z masses a	100000	200	initiation against fruit fly and
	5	ANZAWAL J	uru/	pumpkin beetle.
Chilli	Vegetative to	5	4	According to forecast probability of
	flowering	Sec. 1		less rain and temperature will be high,
	stage			so maintain soil moisture in the field
	2 6			properly.
	1)		+	Earthing up soil for better growth and
	8	SERCHN	Ŧ	stability in root zone. Apply irrigation every alternate day or
	1	V	-	use straw mulch for conserve soil
	5			moisture.
	and the		4	Don't use split dose of any nitrogenous
	1			fertilizer for better growth.
		LUNGLEI	+	If possible use straw mulch/ grass
	3		5	mulch in row to prevent moisture loss
			1	and better growth of plant.
		Fruit fly		In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension
			- 52	containing sugar or jeggery at 10 g/l at
		125 6 1	3	fortnightly intervals at flowering and fruit
			0	initiation.
Cowpea	Vegetative	1 V 1	-	According to forecast probability of less
	stage	LI AMANG TE ALLOS		rain and temperature will be high, so
		LAWNGTLAU		maintain soil moisture in the field
		( SAIHA	4	properly. Earthing up soil for better growth and
				stability in root zone.
		1 5 1 1	4	Don't use split dose of any nitrogenous
	1	C N N	-	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

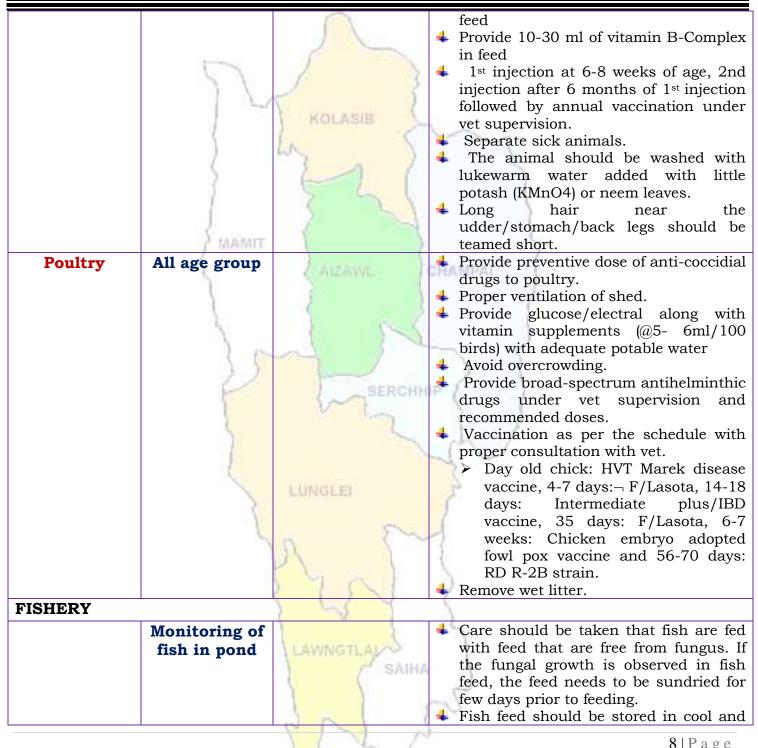


			fertilizer for better growth.
Okra	Vegetative		According to forecast probability of less
	stage		rain and temperature will be high, so
		1 2	maintain soil moisture in the field
		1	properly.
	the last	V KOLENIN (	<b>4</b> Earthing up soil for better growth and
		KOLASIB	stability in root zone.
		Lo.	Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage		+ Planting is done well prepared land or
	1	2 5 1	pits filled up with FYM (12-15) t/ha
		2. 5.4	Sprouted corms or cormels are planted
	Same		5-7 deep at a spacing of 40-50 cm
	/ MAINIT	S	between and within rows in the pits.
	3 c	LAIZAWE I	+ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			Animala mart lagar in the state of
Pig	All stages	a l	Animals must keep in dry place or
			kept in alleviated area and dry bedding
			(straw) to be provided to young animals.
	11		4 1 <sup>st</sup> injection at 6 months of age and
		SERCHN	2nd injection at 12 months of age
	1	V	followed by annual vaccination under
	5		vet supervision against FMD.
	1		♣ Reduce concentrate diet up to 5%.
	P		<ul> <li>Provide adequate potable water.</li> </ul>
		LUNGLEI	In present weather conditions
	2	PRINCE PRINCE	vaccinate against swine fever (Vaccines
	1	-	available in State Veterinary Departs)
	5	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	N
		Syndrome (PRRS).	1
Cattle	All age group	1 55 7	4 In present weather conditions, special
		1 1 1 1	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		- SAIHA	Application of turpentine oil in the
			wounds followed by application of
			antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
		C N N	710000
		E Star	7   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

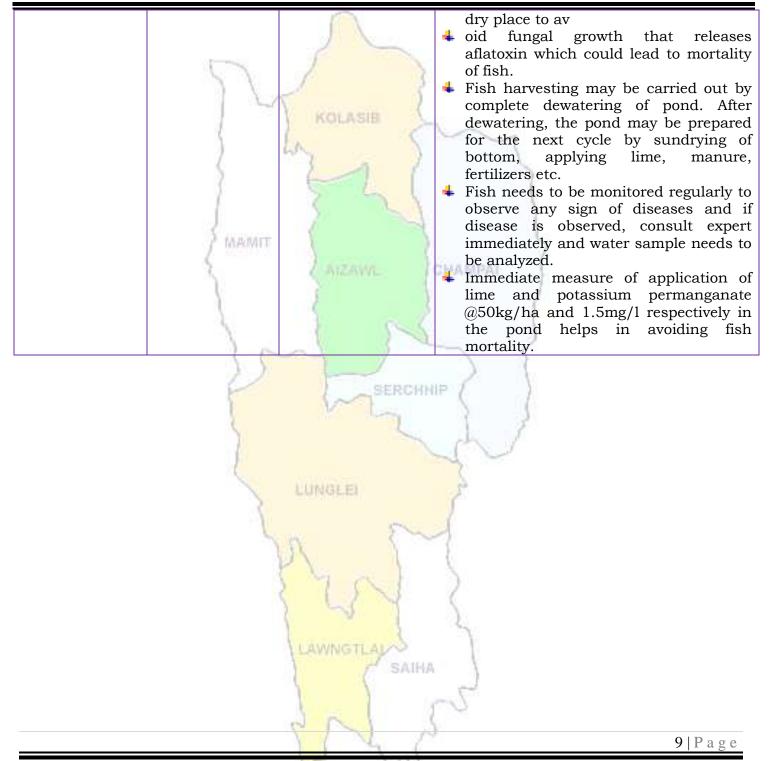






ICAR RESEARCH COMPLEX FOR NEH REGION







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. I. Shakuntala	:	Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District: Saiha**

Bulletin No: - 803/2018/ Bulletin/Mizo
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### **Period:** 30 June - 04 July, 2018

#### Date of issue: 29th June, 2018

		1	2				
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018		
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*Wind Direction	E	S-E	E	S-E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , W					
		31, 2018 (Percent			•		
Aizawl- 383.68mm	Champha	i- 239.49mm	Saiha- 109.52 r		- 352.38mm		
(341.8mm) Lawngtlai-321.51mm	Inneloi	(250.30mm) -344.00mm	(87.2n) Mamit-449.48n		(380.9mm) p-411.72mm		
(285.5mm)		(186.21mm)	(442.80)		(259.8mm)		
Weather summary	1						
three day	-	30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa					
¥		dinhmun tur tlangpui					
Maximum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 31-32ºC a ni ang a. A					
Maximum RH (%):95-		vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai					
Minimum RH (%):82-	hoostor!	berin of 98-100% leh a hniam lai berin 63-78% ni tur a rin					
Wind Direction: Sout Cloud cover: Partially	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
Wind speed: 3.05 km							
wind speed. 3.05 kin	/ 111	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 79.2 mm			-				
Kaiman. 79.2 mm		Week	ly cumulative	rainfall: 136.0	)mm		
			<b>č</b>				
NDVI for Mizoram		North East Region 29	Mildly dr	v condition o	ccurs in all		
		Mildly dry condition occurs in all districts of Mizoram.					
		522		WIIZOT ann.			
		CAR					
		and a	}				
		•A ==	(ers)				
		Agriculture eigner is moderate over zome of the region.	parts North				
		N N	1				
		1 Charles	17		1   P a g e		



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

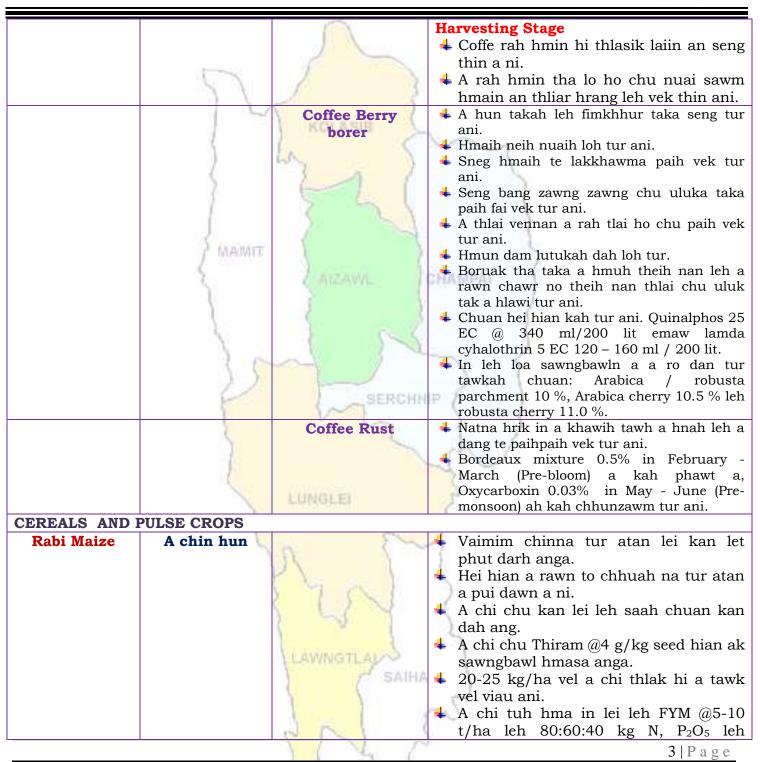


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS		I		
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur	
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul	
AND ACID		I NULMOID 2	velah dahkhawm tur ani.	
LIME	)	La N	👍 Thlai naupang deuah chuan chawlh	
	(	3 4 1	kar tin a tui pek thin tur ani.	
BANANA	2		Leia tha mamawh tawk a hmuh	
	1	2 2 1	theihna turin a hmunhma a hnim awm	
		21	te thlawhfai thin tur ani.	
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha	
	1 meaning	5	taka pek hian a rah tla tur chelh nan	
PLUM AND	2	AIZAWL /	leh a rah than that nan te leh a rah	
PLOM AND PEACH			keh tur lakah t a veng thei ani.	
PEACH		0	Tourse strate hair as hetel. 1-h. ha course or as	
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna	
	1 1	canker, citrus	laka vennan Bordeaux past hi thing zar leh	
	500	greening and Dieback	a trangah te hnawih tur ani.	
		Fruit fly	Huan zau takah chuan a par tan tirh leh a	
		FILLE ILYERCHN	rah tan tirin chawlhkar hnih chhung chu	
	1	Y Lan	heng te hian enkawl tur ani: carbaryl 0.2	
	5		percent emaw malathion 0.15 percent	
	1		suspension containing sugar or jeggery at	
	1		10 g/l.	
PLANTATION CR		LUNGLEI		
COFFEE	All stages		Nursery stage	
	1	0	+ Thlai chi thlak hma in Azospirillum leh	
		n (~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>	
			zawl/rualrem 1.5 - 2.5 cm a in hlatin	
		M Red	tlar mumal tak siam in chin tur ani.	
			+ Chuan a chi chu lei tlem te a chhilh a	
		1 -2 1	buhpawla khuh tur ani.	
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>	
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur	
		/ SAIHA	ani.	
		1 1	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu	
			bag ah an sawn chhuak leh thin ani.	
2   P a g e				



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soybean, pea,	All stage	Zero tillage	<ul> <li>K<sub>2</sub>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.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow	}	"Fhi	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAU	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		TTL C	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



	2	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
Onion and capsicum	Nursery stage	Poly house	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> </ul>
	{ MAGMIT	AIZAWA	<ul> <li>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.</li> <li>A chi ven that nan thiram 3g/kg seed</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that han thirani 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>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.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	LAWNGTLAN	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		SAIHA	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atar 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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 all emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		001	6   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	Duessatis		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	l	4 <sup>th</sup> weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MADVIT	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with B <sub>12</sub>
FISHERY	30	ANZAWAL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, innuar atang a tur io insean thin, aflatoxin avang a sangha thi lakatangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lakatangin a veng thei.</li> </ul>
		dal 1	-5-
		1 C L C	7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Serchhip

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

#### Date of issue: 29th June, 2018

Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018	
Rainfall (mm)	50	35	4	10	7	
Max Temp (°C)	30	30	30	31	32	
Min Temp (°C)	12	14	13	13	13	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly clear	
Max RH (%)	100	100	100	100	100	
Min RH (%)	78	70	76	66	64	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	N-E	E	E	S	S	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Me	onsoon- May 1-	31, 2018 (Percent )	of deviation from	n normal in parer	nthesis)	
Aizawl- 383.68mm	-		<mark>aiha</mark> - 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm	-	p-411.72mm	
(285.5mm)		86.21mm)	(442.80mn		(259.8mm)	
Weather summary		Weather fored			18 To 04 <sup>th</sup>	
three day	s	July, 2018.				
Maximum Tem. (°C):2	25-28°C	There are chance	es of moderate	e to light and h	neavy rainfall	
Minimum Tem. (°C):2	0-22°C	during the next				
Maximum RH (%):96-						
Minimum RH (%):72-		temperatures for the next 5 days may range for 30-32°C and 12-14°C. Maximum relative humidity is expected in				
Wind Direction: Sout				J	-	
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	the range of 100% and minimum may from 64-78%.Wind				
Wind speed: 3.12 km	· · · · · · · · · · · · · · · · · · ·	direction would	be northeaste	rly to easterly	to southerly	
wind speed: 5.12 km	/ 111	with the wind speed of 2 km per hour. Mainly cloudy sky				
Rainfall: 88.1 mm		will prevail during the next five days.				
Kaiman: 88.1 mm		win prevair during the next live days.				
		Weekly cumulative rainfall: 106.0 mm				
NDVI for Mizoram						
NDVI for Mizoram		<i></i>	winning ury	condition oc	curs in all	
		573 1	districts of	Mizoram.		
		- Super				
		COS A				
		Carl I	1			
		• B	· ·			
		Agriculture vigour is moderate over some of the	parts IN			
		N N	30			
		1 / V	12		1   P a g e	



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

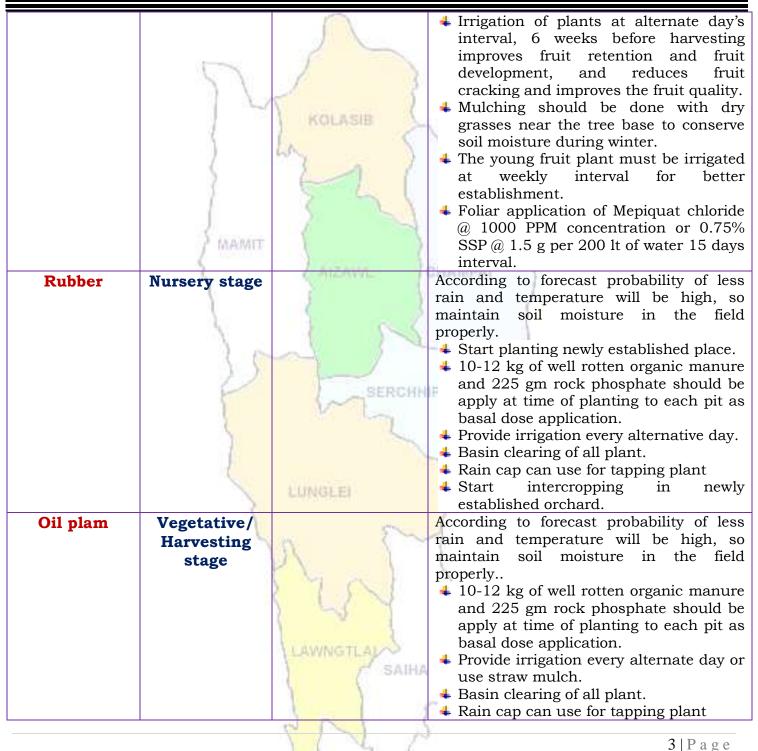


Main C /	<b>C</b> 4	0-1/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	6	maintain soil moisture in the field properly.
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the
	(	1 1	nursery immediately after extraction in
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at
	1	2 2 1	10x5 cm distance. Seedlings are planted
			in secondary bed or polythene bags at 4-
PLUM AND	MAINIT		6 leaf stages. Water must b provide
PEACH	Z. Washing	Accession of	every alternate days.
	1	A ATZAWAL	Potting mixture of soil, sand and FYM or
	L.		compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
	S	1 5	200:100 (g/pt).
	1	V SN	<ul> <li>Only certified seed should be used.</li> <li>Stagnation of water in beds should be</li> </ul>
	1.5		avoided.
	0	SERCHI	↓ In the citrus belt, trees can be planted
		(~) SERUM	at any time; however, pre-monsoon is
	2		the best time for transplant or gap
	1	1	filling.
	1		Standard-size trees should be spaced 12
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	5		distance depends on the variety. The
	191	500	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	SAIH/	+ If day temperature and prolong dry
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		125	Arabica and "Pink Flower" in Robusta.
		VIL 1	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Start intercropping in newly
			established orchard.
			✤ Fruits are harvested when they attain
		1	full size, develop attractive colour with
	21	1 2	optimum sugar and acid blend.
<b>Passion Fruit</b>	Transplanting		High yielding mother vine with good
	stage	KOLASIB	quality fruits and free of virus diseases
	stage	6.	should be selected to provide cuttings.
	)	60 y	<b>4</b> A cutting should contain at least 3
	S	2 0	buds and must be planted in sand
	5		beds.
	1		<b>4</b> 10-12 kg of well rotten organic manure
			and 225 gm rock phosphate should be
	? MAMIT	1	apply at time of planting to each pit as
	L manina	1	basal dose application.
	10	A AIZAWIL	<ul> <li>Provide irrigation every alternate day or</li> </ul>
		1	use straw mulch.
		6 5	Grafting:
		S Cal	+ The root stock of yellow Passion fruit is
	1 1 2		planted in polythene sleeves and the
	S . (*		section from Rahangala hybrid is
	12		grafted using wedge or approach
		SERCHN	method of grafting.
	8	V-L-	<ul> <li>Provide irrigation every alternate day or</li> </ul>
	5		use straw mulch.
CEREALS AND	PULSE CROPS		
Maize	Vegetative		According to forecast probability of less
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
(onung	stage	territ (Statistical)	maintain soil moisture in the field
	1		properly.
	5	n 2~~	Earthing up soil for better growth and
		11	stability in root zone.
			<b>4</b> Use split dose of any nitrogenous
		2 1 5 8	fertilizer for better growth.
Maize	Sowing stage	) 55 7	4 Two to three plough are necessary to
	6 0		get the soil well pulverized and weed
		LAWNGTLAN	free.
		SAIHA	Seed is being placed in furrows.
		( SAINA	4 Seed should be treated with Thiram
			@4 g/kg seed.
			Use optimum seed rate (20-25 kg/ha)
		6 1 1	
		The first	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAU	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		CVV A	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo us crop	Fruiting stage	all the second s	-	According to forecast probability of
	00	and the second		less rain and temperature will be high,
-				so maintain soil moisture in the field
	6	1		properly.
		2 8	-	Provide split doses of urea (70g/pt) at
	1	Cont a print		the time of full blooming.
		KOLASIB	4	Apply irrigation every alternate day or
		Lo. S		use straw mulch for conserve soil
	1	~~~ <i>1</i>		moisture.
	2		-	In large gardens apply carbaryl 0.2 per
	1	2 5		cent or malathion 0.15 per cent
	1	2 24		suspension containing sugar or
	Second and			jeggery at 10 g/l at fortnightly
	/ MAINIT	X 7		intervals at flowering and fruit
	5	LAIZAWAL I	140	initiation against fruit fly and
	1	anesaute.		pumpkin beetle.
Chilli	Vegetative to	$\left( \right)$	-	According to forecast probability of
	flowering	Star Carl		less rain and temperature will be high,
	stage		-	so maintain soil moisture in the field
	20			properly.
	1)		+	Earthing up soil for better growth and
	F	SERCHN	ΙŦ	stability in root zone.
	1	W L	-	Apply irrigation every alternate day or use straw mulch for conserve soil
				moisture.
			4	Don't use split dose of any nitrogenous
	1	0.0		fertilizer for better growth.
		LUNGLEI	4	If possible use straw mulch/ grass
	5	CONGEEL	12	mulch in row to prevent moisture loss
	1		1	and better growth of plant.
	1	Fruit fly	4	In large gardens apply carbaryl 0.2 per cent
		16	1	or malathion 0.15 per cent suspension
	6	Chi se V	1	containing sugar or jeggery at 10 g/l at
		2 1 5 1	- 2	fortnightly intervals at flowering and fruit
Common	Vogototino			initiation.
Cowpea	Vegetative		-	According to forecast probability of less rain and temperature will be high, so
	stage	LAWNGTLAN		maintain soil moisture in the field
		- SAIHA		properly.
		(		Earthing up soil for better growth and
			-	stability in root zone.
		A S I I	4	Don't use split dose of any nitrogenous
I		S N N	-	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

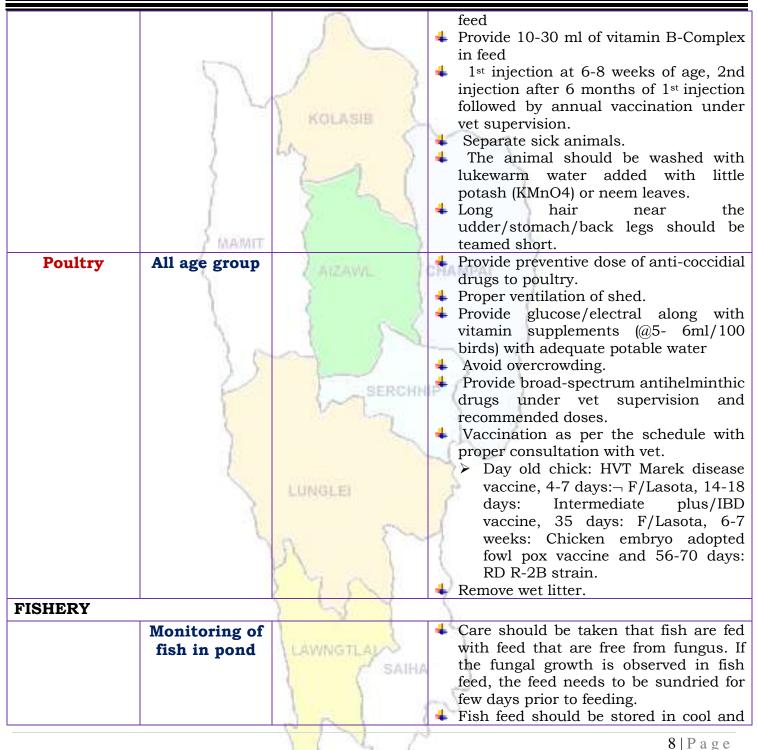


			fertilizer for better growth.
Okra	Vegetative		According to forecast probability of less
	stage		rain and temperature will be high, so
		1	maintain soil moisture in the field
		1	properly.
	in the	A COLORIDA	<b>4</b> Earthing up soil for better growth and
		KOLASIB	stability in root zone.
		Lo.	Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage		+ Planting is done well prepared land or
	1	2 5 1	pits filled up with FYM (12-15) t/ha
		200	Sprouted corms or cormels are planted
	Same		5-7 deep at a spacing of 40-50 cm
	/ MAINIT	1	between and within rows in the pits.
	3 c	LARZAWE I	+ Inorganic fertilizer like Urea, SSP and
		and the second se	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			Animala mart lagar in the state of
Pig	All stages	S all	Animals must keep in dry place or
			kept in alleviated area and dry bedding
			(straw) to be provided to young animals.
	11		
	8	SERCHN	<sup>4</sup> 1 <sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age
	1	V	followed by annual vaccination under
	5.		vet supervision against FMD.
			<ul> <li>Reduce concentrate diet up to 5%.</li> </ul>
	P		<ul> <li>Provide adequate potable water.</li> </ul>
		LUNGLEI	In present weather conditions
	2	PANAGERS.	vaccinate against swine fever (Vaccines
	1	-	available in State Veterinary Departs)
	5	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	S.
		Syndrome (PRRS).	1
Cattle	All age group	1 58 1	4 In present weather conditions, special
		1 1 1 1	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		- SAIHA	Application of turpentine oil in the
			wounds followed by application of
			antibiotics for five days is advised.
			<b>4</b> Provide UMB/Molases if possible in the
		C N N	710
		4 6	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

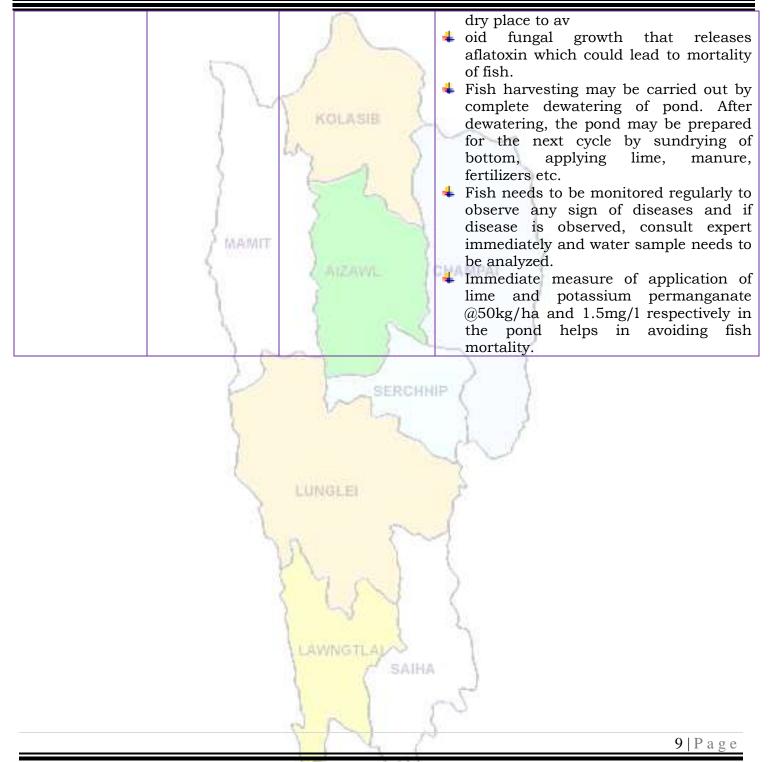






ICAR RESEARCH COMPLEX FOR NEH REGION







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. I. Shakuntala	:	Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Serchhip

Bulletin No: - 803/2018/ Bulletin/Mizo

**Period:** 30 June – 04 July, 2018

#### Date of issue: 29th June, 2018

		P.	41				
Parameters	30.06.2018		02.07.2018	03.07.2018	04.07.2018		
Rainfall (mm)	50	35	4	10	7		
Max Temp (°C)	30	30	30	31	32		
Min Temp (°C)	12	14	13	13	13		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly clear		
Max RH (%)	100	100	100	100	100		
Min RH (%)	78	70	76	66	64		
Wind Speed (KmpH)	2	2	2	2	2		
*Wind Direction	N-E	E	E	S	S		
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark>	,		
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W	<i>.</i>		
Status of Pre Mo	onsoon- May 1-	31, 2018 (Percent	of deviation fron	n normal in par	enthesis)		
<b>Aizawl-</b> 383.68mm	Champha	<b>i-</b> 239.49mm	Saiha- 109.52 m	i <b>m Ko</b> lasi	b- 352.38mm		
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm		-344.00mm	Mamit-449.48m		ip-411.72mm		
(285.5mm)		(186.21mm)	(442.80m		(259.8mm)		
Weather summary of	of the past	<b>30<sup>th</sup> June – (</b>	)4 <sup>th</sup> July, 20	18 chhunga	ı sik leh sa		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2	25-28°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):2		tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A					
Maximum RH (%):96-							
Minimum RH (%):72-		vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai					
Wind Direction: Sout		berin 100% leh a hniam lai berin 64-78% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi					
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	Thli hi darkar	khatah 2 km	vela chakin	chhaklam awi		
Wind speed: 3.12 km		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed: 3.12 km	/nr	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 88.1 mm		·	•				
Kainiali: 88.1 mm		Weekly cumulative rainfall: 106.0mm					
		n conte	y cumulative r	ungun 100.	• • • • • • • • • • • • • • • • • • • •		
NDVI for Mizoram		North East Region 24 Ju	Madaustal				
NDVI for Mizoram			Moderately	wet mildly c	lry/mildly wet		
		33	conditions				
		COT THE					
		region.					
		Co N	2				
			6		1   P a g e		

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

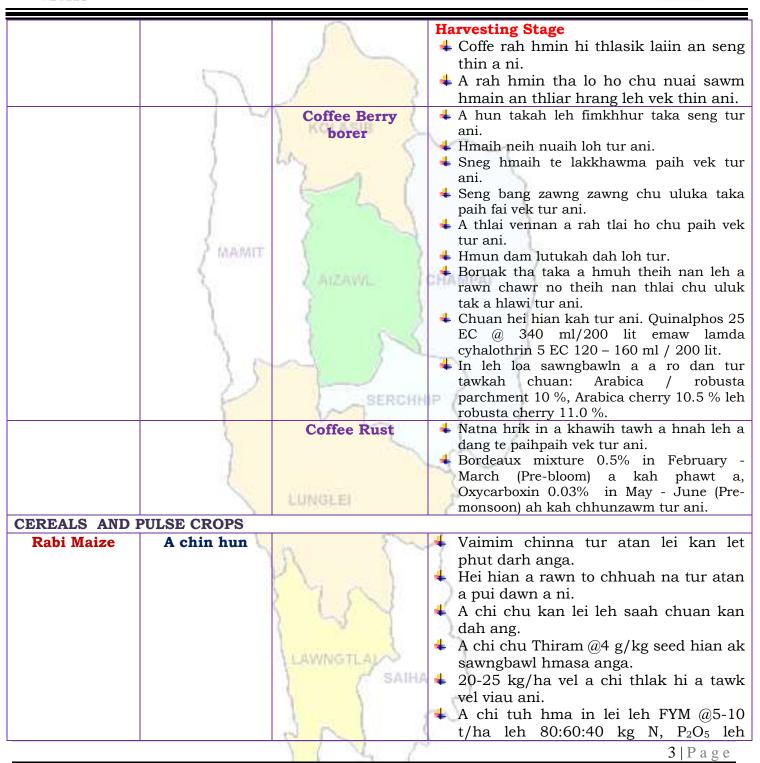


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	1
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME	)	La N	👍 Thlai naupang deuah chuan chawlh
	(	3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		🖊 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	T Intervent	5	taka pek hian a rah tla tur chelh nan
DI UM AND	3.0	Z AIZAWIL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
	10	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5.0	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
	1	FILICITY ROAM	rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	S		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	energy second l	Nursery stage
		C	+ Thlai chi thlak hma in Azospirillum leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		My and	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		55 1	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	I	NR C	
		V V M	2   P a g e
			211 age



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Souhean neo	All stage	Zero tillage	<ul> <li>K<sub>2</sub>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.</li> <li>A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that them han highlat dahan tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		CVV A	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn
			ber ani.
	1 march 1	5	🖊 Thlai hna lam chi leh zikhlum lam
	51	1 3	chi reng reng enkawl nan Mancozeb
	1 1	5	@ 2gm ah tui leter 1 pawlha kah
	1 3	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum	)	WA D	tui pek thin tur ani.
-	5	2 1	+ Thlai bul vawn hnawn nana thlai bula
	3		hnim ring vawm khawm hi tui pek
	1	$C \rightarrow I$	zawhah dah tur ani.
		1	Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	5	) astrong	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	A chi ven that nan thiram 3g/kg seed
	1		emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(Apron)/ kg seed hi a tha hle ani
			🖊 Hneh taka 1% Bordeaux chawhpawlh
	20		emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a
French bean	Sowing stage	SERCHH	pek hi a tha hle ani. Tui pek a hnihnah hringa khuh tur ani
French Dean	Sowing stage	Veta	a. than a that theih nan tui pek hma
	5		in lei rin pan hmasak tur ani.
	de la		<b>4</b> A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish		55	tui pek thin tur ani.
		11 (~~	Tui pek hnuah thlai bul vawn hnawn
		PN N	na tur siam tur ani.
		1 7 61	Zikhlum lam chi ah chuan sik leh
		(	sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
		Commence and Call	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		J J	Mancozeb @ 2gm ah tui leter 1
			🔨 pawlha kah tur ani.
		P N N	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> <li>CHAMPAL</li> </ol>
	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
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.
		900	<b>6</b>   P a g e



#### ICAR RESEARCH COMPLEX FOR NEH REGION



	5	S	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
		A RELEASE		ani.
	Preventive	0-3 rd week	+	Ranikhet Disease- an pian atanga ni
	measures	La N		1-6 ah F1 vaccine pek tur ani a, chuar
	(	1 1		a puitlingh chuan R <sub>2</sub> B vaccine pek tu:
			· .	ani. B complex with antibodies
		4 <sup>th</sup> weeks	1	
		Han WEEKS		coccidiosis- Amprolium or coccidiostat
	MAGMIT	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
DIGUEDN	2 March 12			
FISHERY		AIZAWIL		MPAI
	Monitoring	1		Sangha te hi chaw a hmuar kai le
	(Sangha	1 6 1		chauh pek thin tur ani. Sangha chaw
	enkawl)			lo hmuar anih chuan pek hma in ni s
	2 6			a phoro phawt tur ani.
	1)			Sangha chaw hi a hmuar lohna turin
		SERCHN		hmun ro leh uap lutuk lo ah dahtha
	8	W I		tur ani a, hmuar atang a tur lo insean
	1			thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.
			40	Dil sah kang veka sangha man thi
			the second se	hian a kumleh a sangha khawinan a di
	The second	WHAT IN THE REAL OF THE REAL O		buatsaih a ti awlsam a, dil mawn
		LUNGLEI	1 St	phoro, chinai phul, leitha hman leh tu
	2			dang in dil buatsaih tur ani.
		5		Sangha te natna lak atangin an him en
		A V		tih enfiah fo a tha a, natna hmuh anil
				chuan mithiam te rawn vat a, diltu
		123 6 6	0	enfiah vat tur ani.
		1 LAY	4	A ranglam a chinai @50kg/ha lel
			2	tuisen @1.5mg/l diltui a hman hiar
		La manager and		sangha natna avang a thi tur lal
		LAWNGTLAN		atangin a veng thei.
		( SAIHA		
			T.	(nat)
		A R I		2
		6 N N	)	710000
		4 6		7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	l:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	2:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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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

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

Bulletin/English Date of issue: 29<sup>th</sup> June, 2018

	2.1	P	4.1		
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018
Rainfall (mm)	28	21	14	7	10
Max Temp (°C)	30	30	30	31	32
Min Temp (°C)	12	14	13	13	13
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	100	99	99	100	100
Min RH (%)	71	74	71	63	56
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	E	E	S-E	S	S-W
Northe	rly- N, North	-Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
		-31, 2018 (Percent o			
<b>Aizawl-</b> 383.68mm	-		<mark>aiha</mark> - 109.52 mm		352.38mm
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)
Lawngtlai-321.51mm			lamit-449.48mm	-	0-411.72mm
(285.5mm)		186.21mm)	(442.80mn		(259.8mm)
Weather summary	-	Weather forec			18 10 04***
three day			July, 2		
Maximum Tem. (°C):2		There are chance			
Minimum Tem. (°C):1		during the next			
Maximum RH (%):91-		temperatures for		5 5 0	
Minimum RH (%):68-		and 12-14°C. M			
Wind Direction: Sout	✓	the range of 99	-100% and m	inimum may fi	rom 56-74%.
Cloud cover: Mainly o		Wind direction			
Wind speed: 3.46 km	/hr	southerly and so		•	•
		per hour. Manly	J		
Rainfall: 44.2 mm		days.	cloudy only wi	i prevan daring	, the next nve
		uays.			
		Weahl	u oumulativo .	rainfall: 80.0 1	
NDVI for Mizoram		North East Region 21 Jan		· · · · · · · · · · · · · · · · · · ·	
NDVI for Mizoram			winning ury	condition oc	curs in an
			districts of	Mizoram.	
		French III			
		de la	And I		
		AA BEEL	They ge		
		Agriculture signum is moderate over some of the parts	Natto		
		6 3	2		110
			6 m		1   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

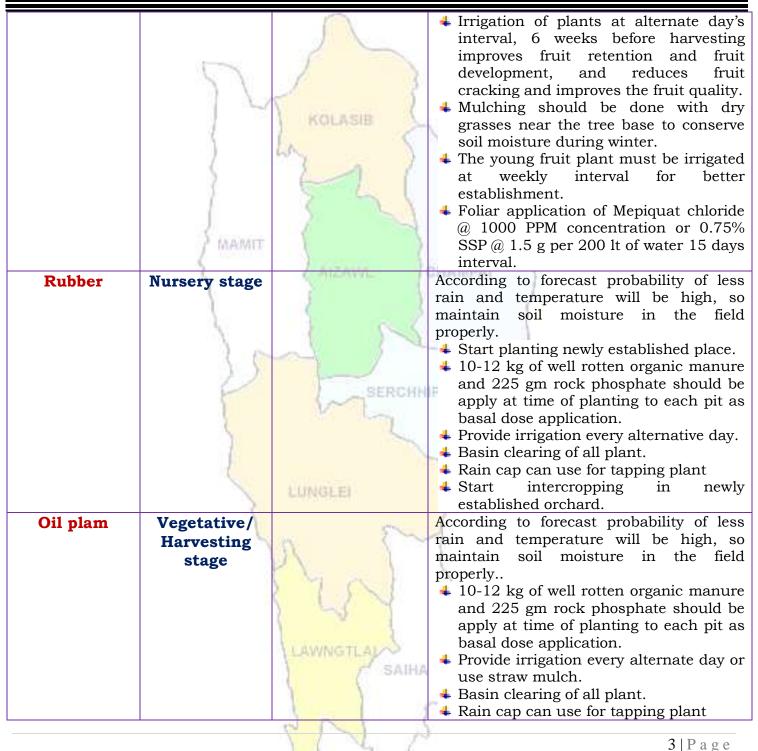


Main One /	Sterre .	0141				
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	5	According to forecast probability of less			
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so			
AND ACID	stage	Contraction of Contraction	maintain soil moisture in the field properly.			
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the			
	(	1 1	nursery immediately after extraction in			
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at			
	1	2 2 1	10x5 cm distance. Seedlings are planted			
			in secondary bed or polythene bags at 4-			
PLUM AND	MAINIT		6 leaf stages. Water must b provide			
PEACH	2 martines	Access of	every alternate days.			
	1	A ATZAWAL	Potting mixture of soil, sand and FYM or			
		compost should be in proper ratio.				
		(	Application of split dose of fertilizer 600:			
	S	200:100 (g/pt). 4 Only certified seed should be used.				
	1	<ul> <li>➡ Only certified seed should be used.</li> <li>➡ Stagnation of water in beds should be</li> </ul>				
	1.5	avoided.				
	0	SERCHI	↓ In the citrus belt, trees can be planted			
		(~) SERUM	at any time; however, pre-monsoon is			
	2		the best time for transplant or gap			
	1	1	filling.			
	1		Standard-size trees should be spaced 12			
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should			
		LUNGLEI	be set 6 to 10 feet apart. The exact			
	5		distance depends on the variety. The			
	191	500	bigger the fruit, the farther the distance.			
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos			
		citrus Canker,	@0.04% @1.2 ml/lt of water.			
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5			
		Dieback, Lamon	ml/lit of water) at each flush emergence.			
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin			
		leaf minor	@0.6 g/lt of water.			
PLANTATION CR						
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry			
	stage		spell occur it lead to Floral			
			abnormalities like "Star Flower" in			
		00	Arabica and "Pink Flower" in Robusta.			
		VIV 1	2   P a g e			



ICAR RESEARCH COMPLEX FOR NEH REGION







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



		Start intercropping in	newly
		established orchard.	-
		◆ Fruits are harvested when they	attain
		full size, develop attractive colour	
	2.1	optimum sugar and acid blend.	
<b>Passion Fruit</b>	Trancolonting		good
Fassion Fruit	Transplanting		
	stage	quality fruits and free of virus dis	
	)	should be selected to provide cutt	0
	(	A cutting should contain at le	
	1	buds and must be planted in	sand
	1	beds.	
		↓ 10-12 kg of well rotten organic m	
	Same	and 225 gm rock phosphate show	
	/ MAMIT	apply at time of planting to each	pit as
	S	basal dose application.	
		Provide irrigation every alternate	day or
	8	use straw mulch.	
	5.5	Grafting:	
	1	🛛 🚽 🔸 The root stock of yellow Passion f	ruit is
	) 6	planted in polythene sleeves an	nd the
	100	section from Rahangala hybr	rid is
		sercen p grafted using wedge or app	oroach
		method of grafting.	
	5	Provide irrigation every alternate	day or
	1	use straw mulch.	-
CEREALS AND	PULSE CROPS		
Maize	Vegetative	According to forecast probability of	of less
(Jhum)	stage	rain and temperature will be high	gh, so
	<b>3</b>	maintain soil moisture in the	field
	1	properly.	
	5	Earthing up soil for better growt	h and
		stability in root zone.	
		📕 🚽 Use split dose of any nitrog	genous
		fertilizer for better growth.	
Maize	Sowing stage	Two to three plough are necess	ary to
		get the soil well pulverized and	•
		LAWNGTLAL	
		Seed is being placed in furrows.	
		Seed should be treated with T	`hiram
		@4 g/kg seed.	
		Use optimum seed rate (20-25 l	kg/ha)
	1		
		4   P :	age



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWINGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 3	5   P a g e
			JIIAgu



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	$\cap$	4	According to forecast probability of
us crop				less rain and temperature will be high,
	1	$\int$		so maintain soil moisture in the field
	81	1 3		properly.
		5	-	Provide split doses of urea (70g/pt) at the time of full blooming.
	1 3	KOLASIE	-	Apply irrigation every alternate day or
	(	1.	$\sim$	use straw mulch for conserve soil
	)	~~ )		moisture.
	5		4	In large gardens apply carbaryl 0.2 per
	1	Stall		cent or malathion 0.15 per cent
	i i	5 54		suspension containing sugar or
	Burner			jeggery at 10 g/l at fortnightly
	J' MAMIT	1		intervals at flowering and fruit
	8	A ATZAWIL	CHA	initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to		4	According to forecast probability of
Chini	flowering	5	-	less rain and temperature will be high,
	stage	1 64		so maintain soil moisture in the field
	Stage			properly.
	15		4	Earthing up soil for better growth and
	0	SERCHN	i=	stability in root zone.
		V	+	Apply irrigation every alternate day or
	5			use straw mulch for conserve soil moisture.
			-	Don't use split dose of any nitrogenous
	1			fertilizer for better growth.
	1	LUNGLEI	+	If possible use straw mulch/ grass
	3	Provide States and States an	1	mulch in row to prevent moisture loss
	90	1996 C	-	and better growth of plant.
		Fruit fly		In large gardens apply carbaryl 0.2 per cent
				or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		19 261		fortnightly intervals at flowering and fruit
				initiation.
Cowpea	Vegetative	1 4 1		According to forecast probability of less
	stage	LAWNGTLAN		rain and temperature will be high, so
		F SAIHA		maintain soil moisture in the field properly.
		( ( SAINA		Earthing up soil for better growth and
			-	stability in root zone.
		2212	4	Don't use split dose of any nitrogenous
		VIX C		<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	AIZAWA.	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBE			4 Animals must keep in dry place or
Pig	All stages		<ul> <li>kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Reproductive Respiratory Syndrome (PRRS).	S
Cattle	All age group	LAWNGTLAU SAIHA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the</li> </ul>
		C N N	710
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

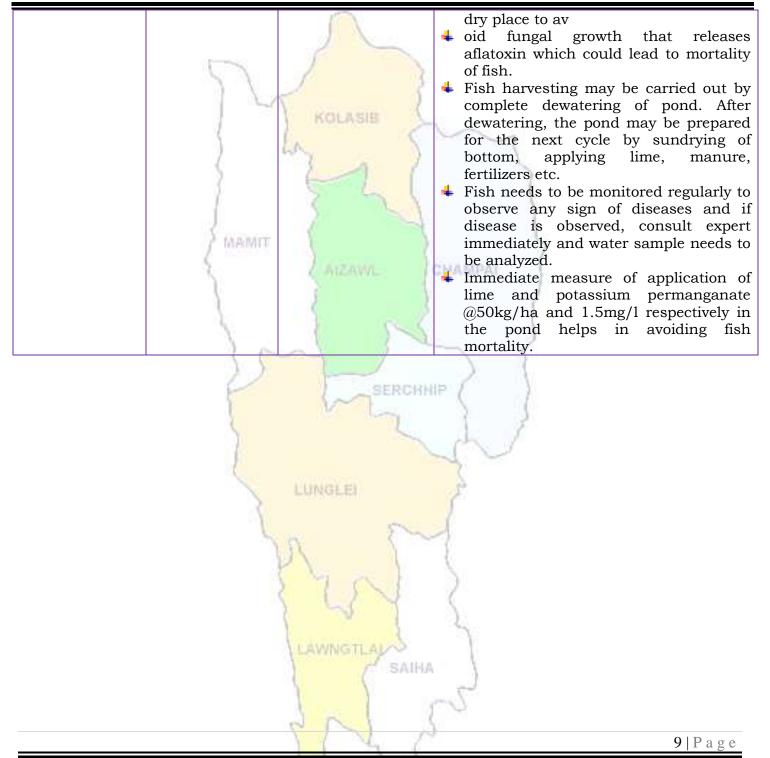


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
			in feed
			4 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
	2.1	1 5	injection after 6 months of 1 <sup>st</sup> injection
		5	followed by annual vaccination under
		KOLASIE	vet supervision.
	1	1	
	)	La N	<ul> <li>Separate sick animals.</li> </ul>
	6	1 1 1	+ The animal should be washed with
	2		lukewarm water added with little
	1	2 5	potash (KMnO4) or neem leaves.
		2. 54	<b>4</b> Long hair near the
	2		udder/stomach/back legs should be
	/ MAMIT		teamed short.
Poultry	All age group	A STATE	+ Provide preventive dose of anti-coccidial
		( AIZAWIL )	drugs to poultry.
		( )	Proper ventilation of shed.
		5	+ Provide glucose/electral along with
		1 56	vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
			<ul> <li>Avoid overcrowding.</li> </ul>
	11		<ul> <li>Provide broad-spectrum antihelminthic</li> </ul>
	F	SERCHN	drugs under vet supervision and
	1	V~I_	
	5		recommended doses.
			4 Vaccination as per the schedule with
			proper consultation with vet.
	and the second sec	10 mil 11 s	> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3		days: Intermediate plus/IBD
		0	vaccine, 35 days: F/Lasota, 6-7
	5	n (~~	weeks: Chicken embryo adopted
		1	fowl pox vaccine and 56-70 days:
		The set V	RD R-2B strain.
		1 5 6	🖊 Remove wet litter.
FISHERY		1 55 7	8
	Monitoring of		<b>4</b> Care should be taken that fish are fed
	fish in pond	LAWNGTLAL	with feed that are free from fungus. If
		- SAIHA	the fungal growth is observed in fish
		SAINA	feed, the feed needs to be sundried for
		$f \rightarrow f$	few days prior to feeding.
		1 5 1	Fish feed should be stored in cool and
		6 1 1	
		1146	<b>8</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. I. Shakuntala		Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	$\langle : \rangle$	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Aizawl

	<b>Bulletin No: -</b>	803/201	8/ Bulletin/	Mizo
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**Period:** 30 June - 04 July, 2018

#### Date of issue: 29th June, 2018

		100			
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018
Rainfall (mm)	28	21	14	7	10
Max Temp (°C)	30	30	30	31	32
Min Temp (°C)	12	14	13	13	13
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear
Max RH (%)	100	99	99	100	100
Min RH (%)	71	74	71	63	56
Wind Speed (KmpH)	2	2	2	2	3
*Wind Direction	E	E	S-E	S	S-W
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,	·
		Vesterly- <mark>S-W</mark> , We	• • • •	•	
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei-	31, 2018 ( <i>Percent</i> ) i- 239.49mm (250.30mm) ·344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) -411.72mm (259.8mm)
Weather summary of three day	of the past s	30 <sup>th</sup> June – (	)4 <sup>th</sup> July, 20 dinhmun tu	18 chhunga r tlangpui	sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):91- Minimum RH (%):68-3 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 3.46 km Rainfall: 44.2 mm	7-18°C 99% 86% heasterly cloudy	Khua a lum lai 12-14ºC ni tu leh a hniam la kar khatah 2-3 eh rin a ni. A tl g tak hmuh bei	ah hian ruahtu berin 30-32°C ura beisei a ni i berin 56-74% 3 km vela chak angpuiin tun n sei a ni. <b>rainfall: 80.0r</b>	a ni ang a. A . RH san lai o ni tur a rin in chhaklam i nga chhung	
NDVI Con Minorea					
NDVI for Mizoram			Mildly dry districts of	condition oc Mizoram.	curs in all
		PN2	P		1   Page



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

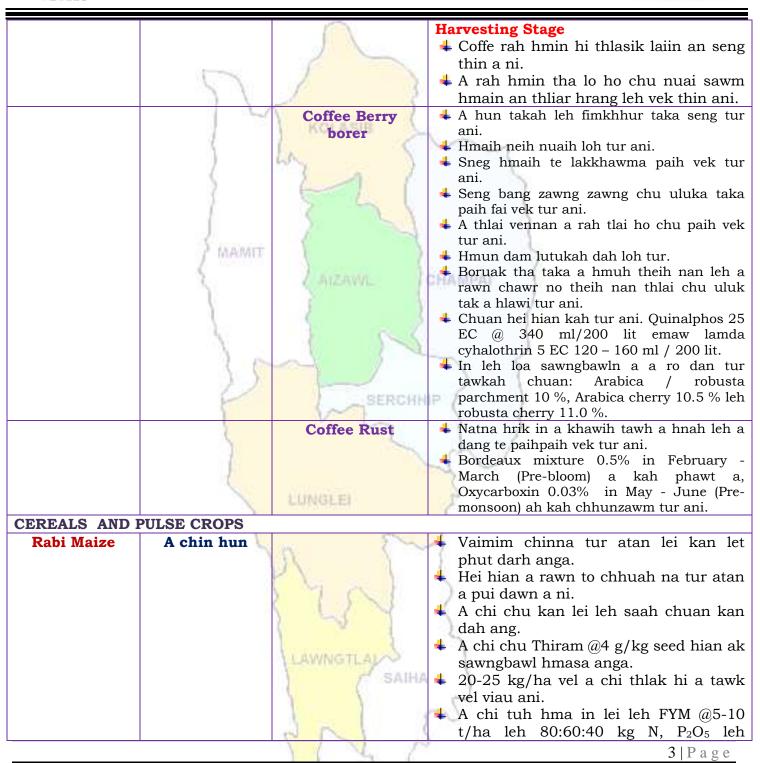


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS		·			
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul		
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.		
LIME	)	La J	4 Thlai naupang deuah chuan chawlh		
	(	3 4 /	kar tin a tui pek thin tur ani.		
BANANA	1		4 Leia tha mamawh tawk a hmuh		
	1	2 5	theihna turin a hmunhma a hnim awm		
			te thlawhfai thin tur ani.		
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha		
	/ meaning	5	taka pek hian a rah tla tur chelh nan		
PLUM AND	3	Z AIZAWIL I	leh a rah than that nan te leh a rah		
			keh tur lakah t a veng thei ani.		
PEACH	l				
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna		
		canker, citrus	laka vennan Bordeaux past hi thing zar leh		
		greening and	a trangah te hnawih tur ani.		
	11	Dieback			
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu		
	1	V L	heng te hian enkawl tur ani: carbaryl 0.2		
	5		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage		
	1	100 C	+ Thlai chi thlak hma in Azospirillum leh		
		n 7~	Phosphobacterium a enkawl tur ani.		
		1 16	+ A chi hi December – January ah hmun		
			zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.		
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh		
		- SAIHA	nan niin a chhun loh nan zar hliah tur		
		( ( Shink			
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu		
bag ah an sawn chhuak leh thin ani.					
210000					
2   P a g e					



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	$K_2O/ha$ 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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		V V P	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn
			ber ani.
	1000	f in	🔸 Thlai hna lam chi leh zikhlum lam
	1 1	1 3	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum	)	WAY IN D	tui pek thin tur ani.
	S	2 1	+ Thlai bul vawn hnawn nana thlai bula
	5	State 1	hnim ring vawm khawm hi tui pek
		5 51	zawhah dah tur ani.
	120 m		+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	S.	Laszana 1	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	↓ A chi ven that nan thiram 3g/kg seed
	N N	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	10	blight	(Apron)/ kg seed hi a tha hle ani
			Hneh taka 1% Bordeaux chawhpawlh
	2.0	~ /	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	<ul> <li>Tui pek a hnihnah hringa khuh tur ani</li> </ul>
	Section Benge	N La	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
	1	N 100	4 A than duna theih nan leh hnim to loh
	a contraction of the second se		na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani.
		11 11	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
			↓ Zikhlum lam chi ah chuan sik leh
		127 6	sa vangin a hnah ah thil dum a
		1 51 4	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		SAIHA	chi reng reng enkawl nan
		( (	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		2010	pumin han tar ann.
			<b>5</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	ANIMAL HUSBENDARY			
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>	
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> <li>CHAMPAL</li> </ol>	
	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>	
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.	
		900	<b>6</b>   P a g e	



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lia: tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga r
	measures	6	1-6 ah F1 vaccine pek tur ani a, chua
		W7 2 )	a puitlingh chuan R <sub>2</sub> B vaccine pek tu
	2		ani.
	1	2 5	B complex with antibodies
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium o
	FINAMIT		coccidiostat
	1	4-5 <sup>th</sup> Weeks	+ Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initial atang a tur io nisear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>
		6 5 1	710.000
			7   P a g e

#### Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

#### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 : Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

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R RESEARCH COMPLEX FOR NEH REGION ICA

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

Guwahati)



### **District: Champhai**

Bulletin No: - 803/2018/ Bulletin/English

Period: 30 June - 04 July, 2018

### Date of issue: 29th June, 2018

Parameters         30.06.2018         01.07.2018         02.07.2018         03.07.2018         04.07.2018           Rainfall (mm)         45         45         11         8         11           Max Temp (°C)         22         22         22         23         23           Min Temp (°C)         14         15         15         14         14           Cloud Coverage         Mainly cloudy         Mainly cloudy         Mainly cloudy         Partially clear         Partially clear           Max RH (%)         100         100         100         100         100           Min Speed (KmpH)         2         0         2         2         2         2           *Wind Direction         S-W         S-E         S         S         S           Status of Promoson- May 1-31, 2018 (Percent of deviation from normal in parenthesis)         Aizawi-383.68mm         Champhai-329.49mm         Sala-190.52mm         Kolasib-352.38mm           Iawngtlai-321.51mm         Lunglei-344.00mm         Mamit -449.48mm         Serchhip-411.72mm         (280.9mm)           Iawaretay         fthere are chances of moderate to light and heavy rainfall         during the next 5 days may range for 22-23°C           Minimum RH (%):72-91%         Wind Direction: Southeastry         M		8 1	P. I.	3				
Max Temp (%)2222222323Min Temp (%)1415151414Cloud CoverageMainly cloudyMainly cloudyPartially clearPartially clearMax RH (%)100100100100100100Max RH (%)100100100100100100Max RH (%)7482796964Wind Speed (KmpH)20222Wind Speed (KmpH)3.0222Southerly- N, North-Easterly- N, Neth-Easterly- S. South-Fasterly- S. South-Westerly- S. South-12, 218 (Percent of deviation from normal in parenthesis)Aizawi. 383.68mmChamphai. 239.49mmSaiha. 109.52 mmKolasib. 352.38mm(241.8mm)(245.3mm)(250.3mm)(250.3mm)(250.3mm)(245.5mm)(216.21mm)(242.80mm)(259.8mm)(259.8mm)Weather summary of the past three daysWeather forecast valid from 30 <sup>th</sup> -June, 2018 To 04 <sup>th</sup> July, 2018.There are chances of moderate to light and heavy rainfall during the next 5 days. The maximum and minimum may from 64-82%. Wind direction would be south-westerly to southerly with the wind speed: 3.23 km/hrRainfall: 38.2 mmWeather fore are five days.NDVI for MizoramWeather weat five days.Weather weat five days.Mildly dry condition occurs in all districts of Mizoram.	Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018		
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Wind Speed (KmpH)       2       0       2       2       2         *Wind Direction       S-W       S-W       S-E       S       S         Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- N.W.       Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)         Aizawl- 383.68mm       Champhal- 239.49mm       Saiha- 109.52 mm       Kolasib- 352.38mm         Aizawl- 383.68mm       Champhal- 239.49mm       Saiha- 109.52 mm       Kolasib- 352.38mm         (341.8mm)       (250.30mm)       (87.2mm)       (380.9mm)         (285.5mm)       (250.30mm)       (442.80mm)       (259.8mm)         Weather summary of the past three days       July, 2018.       There are chances of moderate to light and heavy rainfall         Maximum Tem. (%):72-91%       Wind Direction: Southeasterly       There are chances of moderate to light and heavy rainfall         Minimum RH (%):72-91%       There are chances of moderate to light and heavy rainfall       during the next 5 days. The maximum and minimum temperatures for the next 5 days. The maximum and minimum temperatures for the next 5 days. The maximum and minimum temperatures of 100% and minimum may from 64-82%. Wind direction would be southwesterly to southerly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.         Weekly cumulative rainfall: 120.0 mm         NDVI for Mizoram       <	Max RH (%)	100	100	100	100	100		
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three daysJuly, 2018.Maximum Tem. (°C):25-29°C Minimum Tem. (°C):18-19°C Maximum RH (%):93-98% Minimum RH (%):93-98% Minimum RH (%):72-91% Wind Direction: Southeasterly Cloud cover: Mainly coudy Wind speed: 3.23 km/hrThere are chances of moderate to light and heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 22-23°C and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 64-82%. Wind direction would be southwesterly to southerly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 120.0 mm Midly dry condition occurs in all districts of Mizoram.			,			· · · · · · · · · · · · · · · · · · ·		
Maximum Tem. (°C):25-29°C Minimum Tem. (°C):18-19°C Maximum RH (%):93-98% Minimum RH (%):72-91% Wind Direction: Southeasterly Cloud cover: Mainly coudy Wind speed: 3.23 km/hrThere are chances of moderate to light and heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 22-23°C and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 64-82%. Wind direction would be southwesterly to southerly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 120.0 mm Mildly dry condition occurs in all districts of Mizoram.								
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Minimum RH (%):72-91%         Wind Direction: Southeasterly Cloud cover: Mainly coudy         Wind speed: 3.23 km/hr         Rainfall: 38.2 mm         NDVI for Mizoram         Weekly cumulative rainfall: 120.0 mm         Minimum RH (%): 72-91%         Wind Direction: Southeasterly Cloud cover: Mainly coudy         Wind speed: 3.23 km/hr         Rainfall: 38.2 mm         Weekly cumulative rainfall: 120.0 mm         Minimum RH (%): 72-91%         Weekly cumulative rainfall: 120.0 mm         NDVI for Mizoram         Midly dry condition occurs in all districts of Mizoram.			0	2				
Wind Direction: Southeasterly Cloud cover: Mainly coudy Wind speed: 3.23 km/hr       and 14-13-C. Maximum Telative Indindity is expected in the range of 100% and minimum may from 64-82%. Wind direction would be southwesterly to southerly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.         NDVI for Mizoram       Weekly cumulative rainfall: 120.0 mm         Wind Speed: a set regree       Mildly dry condition occurs in all districts of Mizoram.			and 14-15°C. Maximum relative humidity is expected in the range of 100% and minimum may from 64-82%. Wind direction would be southwesterly to southerly with the					
Cloud cover: Mainly coudy Wind speed: 3.23 km/hr       The range of 100% and minimum may from 64-82%. Wind direction would be southwesterly to southerly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.         NDVI for Mizoram       Weekly cumulative rainfall: 120.0 mm         Verb last base       Mildly dry condition occurs in all districts of Mizoram.								
Wind speed: 3.23 km/hr       direction would be southwesterly to southerly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.         NDVI for Mizoram       Weekly cumulative rainfall: 120.0 mm         Midly dry condition occurs in all districts of Mizoram.		✓						
Rainfall: 38.2 mm       wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.         Weekly cumulative rainfall: 120.0 mm         NDVI for Mizoram       North fast lagoe         Image: State of the state of	• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·						
Weekly cumulative rainfall: 120.0 mm       NDVI for Mizoram     North Last Region     Diagonal       Mildly dry condition occurs in all districts of Mizoram.	wind speed. 0.20 king	,	wind speed of 0-2 km per hour. Mainly cloudy sky will					
Weekly cumulative rainfall: 120.0 mm         NDVI for Mizoram       North Last Region       Mildly dry condition occurs in all districts of Mizoram.	Rainfall: 38.2 mm		prevail during the next five days.					
NDVI for Mizoram				U U				
NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram.			Weekly	cumulative r	ainfall: 120.0	mm		
districts of Mizoram.	NDVI for Mizoram		North East Region 25	Mildly dry	condition of	curs in all		
			~	0 0		in an		
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

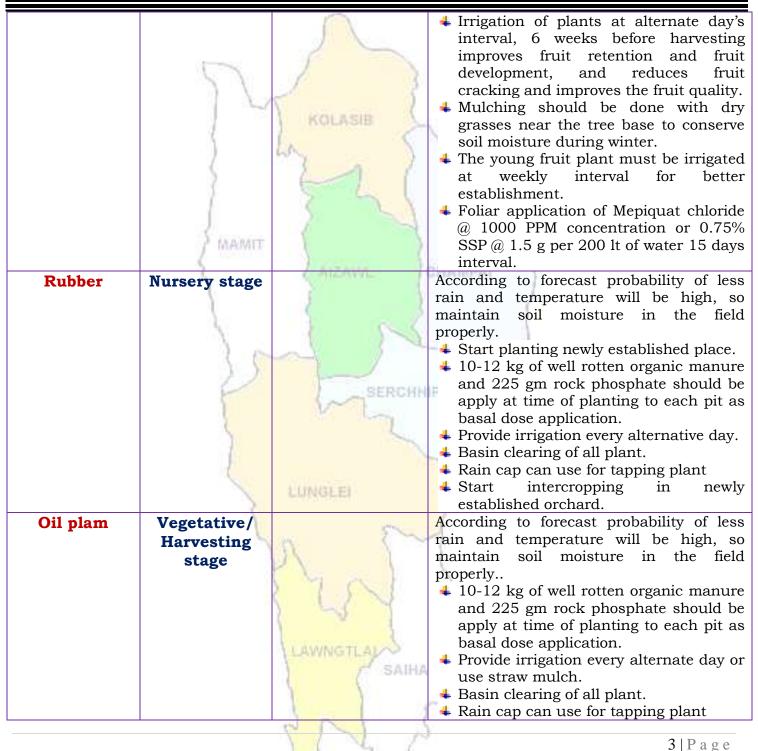


Main C /	<b>C</b> 4	0-1/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so
AND ACID	stage	6	maintain soil moisture in the field properly.
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the
	(	1 1	nursery immediately after extraction in
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at
	1	2 2 1	10x5 cm distance. Seedlings are planted
			in secondary bed or polythene bags at 4-
PLUM AND	MAINIT		6 leaf stages. Water must b provide
PEACH	2 martines	Access of	every alternate days.
		A ATZAWAL	Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
	S	1 5	200:100 (g/pt).
	1	V SN	<ul> <li>Only certified seed should be used.</li> <li>Stagnation of water in beds should be</li> </ul>
	1.5		avoided.
	0	SERCHI	↓ In the citrus belt, trees can be planted
		(~) SERUM	at any time; however, pre-monsoon is
	2		the best time for transplant or gap
	1	1	filling.
	1		<b>4</b> Standard-size trees should be spaced 12
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	5		distance depends on the variety. The
		500	bigger the fruit, the farther the distance.
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			
COFFEE	Blooming	) / SAIH/	4 If day temperature and prolong dry
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		25	Arabica and "Pink Flower" in Robusta.
		VIL /	2   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		Start 🔶	intercropping in newly
		estal	olished orchard.
		🕹 Fruit	are harvested when they attain
	17		size, develop attractive colour with
	1 6		num sugar and acid blend.
<b>Passion Fruit</b>	Transplanting	🚽 High	yielding mother vine with good
	stage		ity fruits and free of virus diseases
	Stage		ld be selected to provide cuttings.
	1		atting should contain at least 3
	S		and must be planted in sand
	35	beds	
	1		2 kg of well rotten organic manure
			225 gm rock phosphate should be
	MAMIT		y at time of planting to each pit as
	10000000	hasa	l dose application.
	3.0		ide irrigation every alternate day or
	1		straw mulch.
		Graftin	
			root stock of yellow Passion fruit is
	1.1.2		ted in polythene sleeves and the
	S . (*		on from Rahangala hybrid is
	12	aroft	ed using wedge or approach
			nod of grafting.
	8		ide irrigation every alternate day or
	5		straw mulch.
CEREALS AND	PULSE CROPS	user	
Maize	Vegetative	4 Acco	rding to forecast probability of less
(Jhum)	stage		and temperature will be high, so
(oncarrey	Stuge		tain soil moisture in the field
	1	prop	
	5		hing up soil for better growth and
			llity in root zone.
		📕 Use	split dose of any nitrogenous
			izer for better growth.
Maize	Sowing stage		to three plough are necessary to
	3 3		the soil well pulverized and weed
		LAWNGTLAL free	
		SAIHA See	d is being placed in furrows.
			d should be treated with Thiram
			g/kg seed.
			optimum seed rate (20-25 kg/ha)
	•	6 1 3	
			4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHH	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 2	5   P a g e
		-	JIIAge



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



us crop	0 0			According to forecast probability of
				less rain and temperature will be high,
	1			so maintain soil moisture in the field
	67	1		properly.
		2	+	Provide split doses of urea (70g/pt) at
		KOLASIB		the time of full blooming.
	1	C C	٠	Apply irrigation every alternate day or
	)	LA.		use straw mulch for conserve soil
	(	1 1 1		moisture. In large gardens apply carbaryl 0.2 per
	1		-	cent or malathion 0.15 per cent
	E.	( ) I		suspension containing sugar or
				jeggery at 10 g/l at fortnightly
	MAMIT			intervals at flowering and fruit
	Z	1000000	2005	initiation against fruit fly and
	S	AIZAWL	CHA	pumpkin beetle.
Chilli	Vegetative to	5	4	According to forecast probability of
	flowering	Sec. 1		less rain and temperature will be high,
	stage	1 1		so maintain soil moisture in the field
	2 6	~ 1		properly.
	))		+	Earthing up soil for better growth and
	1	SERCHN	IF.	stability in root zone.
	1	V~L	-	Apply irrigation every alternate day or use straw mulch for conserve soil
				moisture.
	1		4	Don't use split dose of any nitrogenous
	-t		-	fertilizer for better growth.
		LUNGLEI	4	If possible use straw mulch/ grass
	3	and a hear set	1	mulch in row to prevent moisture loss
		(m	-	and better growth of plant.
	1	Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
			- (2	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
	6	1 7 261	- 3	fortnightly intervals at flowering and fruit
	1	$\langle ( \rangle \times \langle \rangle \rangle$	6	initiation.
Cowpea	Vegetative		4	According to forecast probability of less
	stage	and the second second second		rain and temperature will be high, so
		LAWNGTLAN		maintain soil moisture in the field
		SAIHA		properly.
			_*	Earthing up soil for better growth and
				stability in root zone. Don't use split dose of any nitrogenous
		R N	-	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			fertilizer for better growth.
Okra	Vegetative		According to forecast probability of less
	stage		rain and temperature will be high, so
		1 2	maintain soil moisture in the field
		1	properly.
	the last	V KOLENIN (	<b>4</b> Earthing up soil for better growth and
		KOLASIB	stability in root zone.
		Lo.	Don't use split dose of any nitrogenous
			fertilizer for better growth.
Colocasia	Sowing stage		+ Planting is done well prepared land or
	1	2 5 1	pits filled up with FYM (12-15) t/ha
		2. 5.4	Sprouted corms or cormels are planted
	Same		5-7 deep at a spacing of 40-50 cm
	/ MAINIT	S	between and within rows in the pits.
	3 c	LAIZAWE I	+ Inorganic fertilizer like Urea, SSP and
			MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			Animala mart lagar in the state of
Pig	All stages	3 6 6	Animals must keep in dry place or
			kept in alleviated area and dry bedding
			(straw) to be provided to young animals.
	11		
	-	SERCHH	<sup>4</sup> 1 <sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age
	1	V	followed by annual vaccination under
	5		vet supervision against FMD.
			<ul> <li>Reduce concentrate diet up to 5%.</li> </ul>
	P		<ul> <li>Provide adequate potable water.</li> </ul>
		LUNGLEI	In present weather conditions
	2	Provide and a second	vaccinate against swine fever (Vaccines
	1		available in State Veterinary Departs)
	5	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	S.
		Syndrome (PRRS).	1
Cattle	All age group	1 58 1	4 In present weather conditions, special
		N	care should be taken against attack of
		LAWNGTLAL	maggots in the wounds of animals.
		- SAIHA	Application of turpentine oil in the
			wounds followed by application of
			antibiotics for five days is advised.
			Provide UMB/Molases if possible in the
			710000
		1 4 6	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

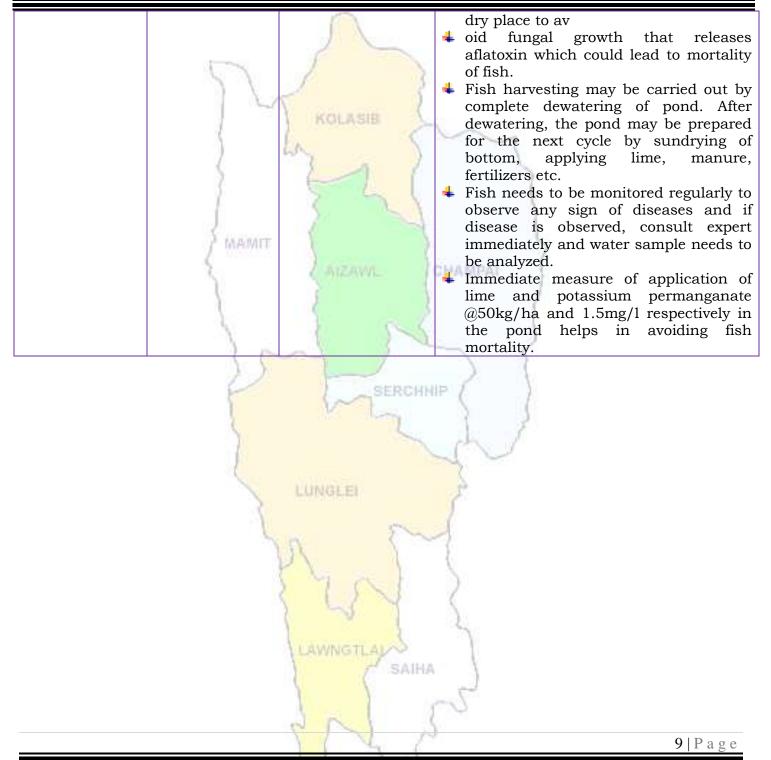


			feed
			Provide 10-30 ml of vitamin B-Complex
	1000	f internet	in feed
	8.2	1 3	↓ 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
		- 1	injection after 6 months of 1 <sup>st</sup> injection
		KOLASIE	followed by annual vaccination under
	1	1 monorial 2	vet supervision.
	)	LA N	4 Separate sick animals.
	6	3 4 1	4 The animal should be washed with
	2		lukewarm water added with little
	6	2 2 1	potash (KMnO4) or neem leaves. Long hair near the
			6
	AMAINIT		udder/stomach/back legs should be teamed short.
Poultry	All age group		<ul> <li>Provide preventive dose of anti-coccidial</li> </ul>
Fourtry	All age group	A ATZAWIL	drugs to poultry.
			<ul> <li>Proper ventilation of shed.</li> </ul>
		5	<ul> <li>Provide glucose/electral along with</li> </ul>
	S		vitamin supplements (@5- 6ml/100
	1	A STA	birds) with adequate potable water
	100		4 Avoid overcrowding.
	0	SERCHN	<b>+</b> Provide broad-spectrum antihelminthic
		(~) SERVIN	drugs under vet supervision and
	2		recommended doses.
	0.0		+ Vaccination as per the schedule with
			proper consultation with vet.
		NAR CONTRACTOR	> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3		days: Intermediate plus/IBD
	6	5	vaccine, 35 days: F/Lasota, 6-7
		A Vie	weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days:
		PN	RD R-2B strain.
		1 7 61	♣ Remove wet litter.
FISHERY		1 La Y	
	Monitoring of		<b>4</b> Care should be taken that fish are fed
	fish in pond	LAWNGTLAN	with feed that are free from fungus. If
		- SAIHA	the fungal growth is observed in fish
			feed, the feed needs to be sundried for
			few days prior to feeding.
		1211	4 Fish feed should be stored in cool and
		V V V	8   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



### **Expert committee members:**

Dr. I. Shakuntala	:	Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com



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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

Bulletin No: - 803/2018/ Bulletin/Mizo
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**Period:** 30 June - 04 July, 2018

### Date of issue: 29th June, 2018

Parameters         30.06.2018         01.07.2018         02.07.2018         03.07.2018         04.07.2018           Rainfall (mm)         45         45         11         8         11           Max Temp (°C)         22         22         22         23         23           Min Temp (°C)         14         15         15         14         14           Cloud Coverage         Mainly cloudy         Mainly cloudy         Mainly cloudy         Partially clear         Partially clear           Max RH (%)         100         100         100         100         100         100           Min RH (%)         74         82         79         69         64           Wind Speed (KmpH)         2         0         2         2         2           *Wind Direction         S-W         S-E         S         S           North-Easterly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.         Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)           Aizawl- 383.68mm         Champhai- 239.49mm         Saiha- 109.52 mm         Kolasib- 352.38mm           (341.8mm)         (250.30mm)         (87.2mm)         (380.9mm)           Lawngtlai-321.51mm         Lunglei-344.00mm         Mamit-
Max Temp (°C)2222222323Min Temp (°C)1415151414Cloud CoverageMainly cloudyMainly cloudyMainly cloudyPartially clearPartially clearMax RH (%)100100100100100100Min RH (%)7482796964Wind Speed (KmpH)20222*Wind DirectionS-WS-WS-ESSNorth-Easterly- N. North-Easterly- N. E. Easterly- E, South-Easterly- S.Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawl- 383.68mmChamphai- 239.49mmSaiha- 109.52 mmKolasib- 352.38mm(341.8mm)(250.30mm)(87.2mm)(380.9mm)Lawngtlai-321.51mmLunglei-344.00mmMamit-449.48mmSerchhip-411.72mm(285.5mm)(186.21mm)(442.80mm)(259.8mm)Weather summary of the past30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa
Min Temp (⁰C)1415151414Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyPartially clearPartially clearMax RH (%)100100100100100100100100Min RH (%)7482796964Wind Speed (KmpH)20222*Wind DirectionS-WS-WS-ESSNortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S.Southerly- S.South-Westerly- S.North-westerly- N.W.Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawl- 383.68mmChamphai- 239.49mmSaiha- 109.52 mmKolasib- 352.38mm(341.8mm)(250.30mm)(87.2mm)(380.9mm)Iawngtlai-321.51mmLunglei-344.00mmMamit-449.48mmSerchhip-411.72mmWeather summary of the past30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa
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Max RH (%)         100         100         100         100         100           Min RH (%)         74         82         79         69         64           Wind Speed (KmpH)         2         0         2         2         2           *Wind Direction         S-W         S-W         S-E         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 Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)           Aizawl- 383.68mm         Champhai- 239.49mm         Saiha- 109.52 mm         Kolasib- 352.38mm           (341.8mm)         (250.30mm)         (87.2mm)         (380.9mm)           Lawngtlai-321.51mm         Lunglei-344.00mm         Mamit-449.48mm         Serchhip-411.72mm           (285.5mm)         (186.21mm)         (442.80mm)         (259.8mm)           Weather summary of the past         30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa
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Weather summary of the past 30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa
Weather summary of the past 30 <sup>th</sup> June – 04 <sup>th</sup> July, 2018 chhunga sik leh sa
three days dinhmun tur tlangpui
Maximum Tem. (°C):25-29°C Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo
Minimum Tem. (°C):18-19°C tura beisei a ni. Khua a lum lai berin 22-23°C a ni ang a. A
Maximum RH (%):93-98% vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai
Minimum RH (%):72-91% Vawin lai ber in 14-13-e in tura beiser a in. Kir san lai berin 100% leh a hniam lai berin 64-82% ni tur a rin niin.
Wind Direction: South costoring
Cloud cover Mainly coudy
Wind speed: 3 23 km/hr Zawngin a tien rin a ni. A tiangpuin tun ni nga chnung
hian khawthiang tak hmuh beisei a ni.
Rainfall: 38.2 mm
Weekly cumulative rainfall: 120.0mm
NDVI for Mizoram North Last Region 21 Mildly dry condition occurs in all
districts of Mizoram.
Agriculture vigour is moderate over some of the p
regar,
1   Page



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

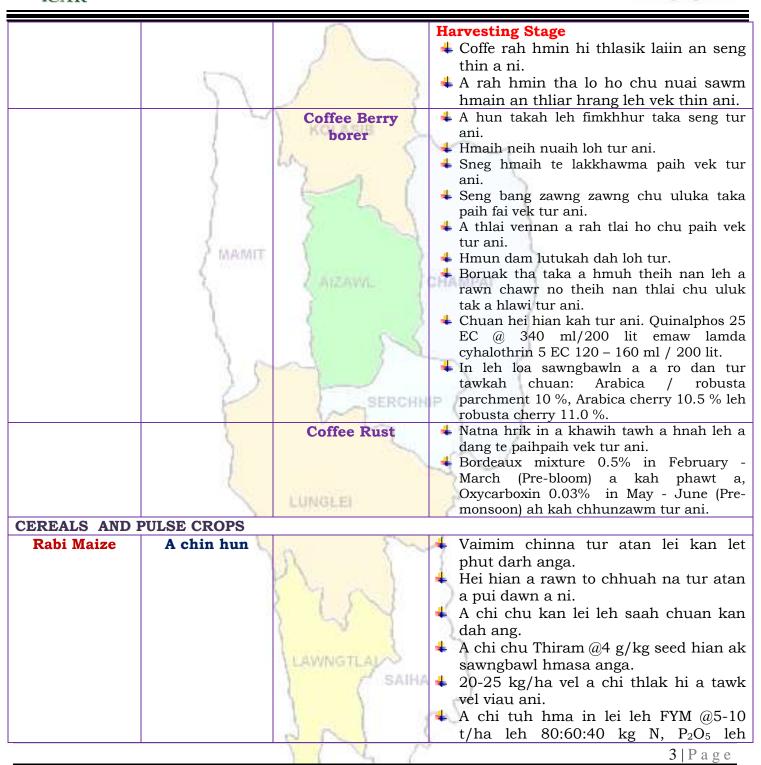


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME	)	La N	4 Thlai naupang deuah chuan chawlh
	(	3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	30	Z ARZAWIL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V L	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	1	100 C	+ Thlai chi thlak hma in Azospirillum leh
		n ?~~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		( SAINA	ani. Ni 45 hara aralah a diala dhin a alan alan
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soybean, pea,	All stage	Zero tillage	<ul> <li>K<sub>2</sub>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.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow		mg had	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		VIL A	4   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicumNursery stagePoly houseThlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly house4 A than a that theih nan nikhat danah tui pek thin tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawn knawn hi tui pek zawhab dah tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawn knawn hi tui pek zawhab dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha lea ani Hene taka 1% Bordeaux chawhpawh emay 2 g captan emaw 3 copper oxychoride a tui liter 1 hi 10-15 DAS a pek hi a thah heani.French bean radishSowing stage4 A than a that theih nan tui pek ham in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hinuah thiai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hinuah thiai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage4 A than a that heih nan nikhat danah tui pek hinuah thiai bul vawn hnawn na tur siam tur ani.Thia ina lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thia bul yawn hnawn nana thlai bul hnim ring yawn khawm hi tui pek zawhah dah tur ani.Thia china 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 blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stage <t< th=""><th>Onion and</th><th>Numeror</th><th>KOLASIB</th><th><ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul></th></t<>	Onion and	Numeror	KOLASIB	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radish<			AIZAWA	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>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.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam 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.		25		<ul> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       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.	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			8 N 2	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> </ol>
	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
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.
		8 N 2	<b>6</b>   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



### ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\sum$	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	1217		1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan $R_2B$ vaccine pek tur ani.
				B complex with antibodies
		4 <sup>th</sup> weeks		Coccidiosis- Amprolium or
	FINAMIT	A 1741. TTT 1		coccidiostat
	2. 00850303	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWIL	1000	MPAI
	Monitoring (Sangha enkawl)			Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turir hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lak atangin a veng thei.
		201		
				7   P a g e



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	64	Meteorological Observer	evansmeteo@gmail.com

### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Kolasib

Bulletin No: - 803/2018/ Bulletin/English

**Period:** 30 June – 04 July, 2018

Date of issue: 29th June, 2018

Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018
Rainfall (mm)	50	13	14	11	11
Max Temp (°C)	30	28	28	29	31
Min Temp (°C)	16	16	16	17	17
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	75	84	77	71	51
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	N-E	S-E	S-E	S-W
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Pre Me		31, 2018 (Percent			
Aizawl- 383.68mm	· · · · · · · · · · · · · · · · · · ·		aiha- 109.52 mm		352.38mm
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)
Lawngtlai-321.51mm			lamit-449.48mm	-	-411.72mm
(285.5mm)		186.21mm)	(442.80mm	*	(259.8mm)
Weather summary	-	Weather fored		a 30 <sup>th</sup> June, 20	18 To 04 <sup>th</sup>
three day	S		<b>July</b> , 20	018.	
Maximum Tem. (°C):2	27-29°C	There are chance	es of moderate	to heavy rainfa	all during the
Minimum Tem. (°C):2	1°C	next 5 days. The	maximum and	l minimum tem	peratures for
Maximum RH (%):91-	<b>.96</b> %	the next 5 day			-
Minimum RH (%):80-	95%	Maximum relati	5 0		
Wind Direction: Sout	heasterly	100% and mini	2	<b>-</b>	U
Cloud cover: Mainly of	cloudy		<b>.</b>		
Wind speed: 3.81 km	/hr	would be south	•	•	•
-		southwesterly w		-	-
Rainfall: 102.5 mm		Mainly cloudy sk	ky will prevail d	uring the next	tive days.
			y cumulative i	r <b>ainfall: 99.0</b> 1	nm
NDVI for Mizoram		North East Region 25	😁 Mildly dry	condition oc	curs in all
		~3 =-	districts of	Mizoram.	
		522			
		Total I			
		202	1		
		N8 .	с.).		
		Agriculture vigour is moderate over some of the	parts N		
		in Col			
		VIN	12		1   Page

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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

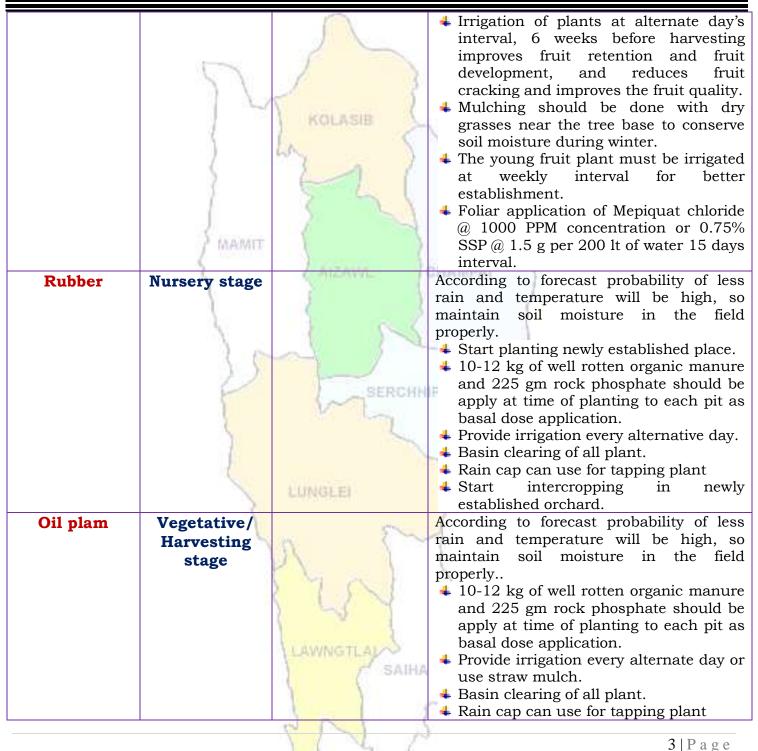


Main One /	Sterre .	0141			
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Nursery and	5	According to forecast probability of less		
MANDARIN	gap filling	KOLASIB	rain and temperature will be high, so		
AND ACID	stage	Contraction of Contraction	maintain soil moisture in the field properly.		
LIME	J	LA.	<b>By seeds:</b> Seed should be sown in the		
	(	1 1	nursery immediately after extraction in		
STAR FRUIT	1		to a depth 1.5 to 2 cm extraction at		
	1	2 2 1	10x5 cm distance. Seedlings are planted		
			in secondary bed or polythene bags at 4-		
PLUM AND	MAINIT		6 leaf stages. Water must b provide		
PEACH	2 martines	Access of	every alternate days.		
	1	A ATZAWAL	Potting mixture of soil, sand and FYM or		
			compost should be in proper ratio.		
		(	Application of split dose of fertilizer 600:		
	S	1 5	200:100 (g/pt).		
	1	V SN	<ul> <li>Only certified seed should be used.</li> <li>Stagnation of water in beds should be</li> </ul>		
	1.5		avoided.		
	0	SERCHI	↓ In the citrus belt, trees can be planted		
		(~) SERUM	at any time; however, pre-monsoon is		
	2		the best time for transplant or gap		
	1	1	filling.		
	1		Standard-size trees should be spaced 12		
		100000000000000000000000000000000000000	to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	5		distance depends on the variety. The		
	191	500	bigger the fruit, the farther the distance.		
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos		
		citrus Canker,	@0.04% @1.2 ml/lt of water.		
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5		
		Dieback, Lamon	ml/lit of water) at each flush emergence.		
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CR					
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry		
	stage		spell occur it lead to Floral		
			abnormalities like "Star Flower" in		
	Arabica and "Pink Flower" in Robusta.				
	2   P a g e				



ICAR RESEARCH COMPLEX FOR NEH REGION







### **ICAR RESEARCH COMPLEX FOR NEH REGION**



		Start intercropping in	newly
		established orchard.	-
		◆ Fruits are harvested when they	attain
		full size, develop attractive colour	
	2.1	optimum sugar and acid blend.	
<b>Passion Fruit</b>	Trancolonting		good
Fassion Fruit	Transplanting		
	stage	quality fruits and free of virus dis	
	)	should be selected to provide cutt	0
	(	A cutting should contain at le	
	1	buds and must be planted in	sand
	1	beds.	
		↓ 10-12 kg of well rotten organic m	
	Same	and 225 gm rock phosphate show	
	/ MAMIT	apply at time of planting to each	pit as
	S	basal dose application.	
		Provide irrigation every alternate	day or
	8	use straw mulch.	
	5.5	Grafting:	
	1	🛛 🚽 🔸 The root stock of yellow Passion f	ruit is
	) 6	planted in polythene sleeves an	nd the
	100	section from Rahangala hybr	rid is
		sercen p grafted using wedge or app	broach
		method of grafting.	
	5	Provide irrigation every alternate	day or
	1	use straw mulch.	-
CEREALS AND	PULSE CROPS		
Maize	Vegetative	According to forecast probability of	of less
(Jhum)	stage	rain and temperature will be high	gh, so
	<b>3</b>	maintain soil moisture in the	field
	1	properly.	
	5	Earthing up soil for better growt	h and
		stability in root zone.	
		📕 🚽 Use split dose of any nitrog	genous
		fertilizer for better growth.	
Maize	Sowing stage	Two to three plough are necess	ary to
		get the soil well pulverized and	•
		LAWNGTLAL	
		Seed is being placed in furrows.	
		Seed should be treated with T	`hiram
		@4 g/kg seed.	
		Use optimum seed rate (20-25 l	kg/ha)
	1		<u> </u>
		4   P :	age



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 3	5   P a g e
			JIIAgu



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	$\cap$	4	According to forecast probability of
us crop				less rain and temperature will be high,
	1	$\int$		so maintain soil moisture in the field
	81	1 3		properly.
		5	-	Provide split doses of urea (70g/pt) at the time of full blooming.
	1 3	KOLASIE	-	Apply irrigation every alternate day or
	(	1.	$\sim$	use straw mulch for conserve soil
	)	~~ )		moisture.
	5		4	In large gardens apply carbaryl 0.2 per
	1	Stall		cent or malathion 0.15 per cent
	i i	5 54		suspension containing sugar or
	Burner			jeggery at 10 g/l at fortnightly
	J' MAMIT	1		intervals at flowering and fruit
	8	A ATZAWIL	CHA	initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to		4	According to forecast probability of
Chini	flowering	5	-	less rain and temperature will be high,
	stage	1 64		so maintain soil moisture in the field
	Stage			properly.
	15		4	Earthing up soil for better growth and
	0	SERCHN	i=	stability in root zone.
		V	+	Apply irrigation every alternate day or
	5			use straw mulch for conserve soil moisture.
			-	Don't use split dose of any nitrogenous
	1			fertilizer for better growth.
	1	LUNGLEI	+	If possible use straw mulch/ grass
	3	Provide States and States an	1	mulch in row to prevent moisture loss
	90	1996 C	-	and better growth of plant.
		Fruit fly		In large gardens apply carbaryl 0.2 per cent
				or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		19 261		fortnightly intervals at flowering and fruit
				initiation.
Cowpea	Vegetative	1 4 1		According to forecast probability of less
	stage	LAWNGTLAN		rain and temperature will be high, so
		F SAIHA		maintain soil moisture in the field properly.
		( ( SAINA		Earthing up soil for better growth and
			-	stability in root zone.
		2212	4	Don't use split dose of any nitrogenous
		VIX C		<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Colocasia	Sowing stage	AIZAWA.	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBE			4 Animals must keep in dry place or
Pig	All stages		<ul> <li>kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1<sup>st</sup> injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Reproductive Respiratory Syndrome (PRRS).	S
Cattle	All age group	LAWNGTLAU SAIHA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the</li> </ul>
		C N N	710
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

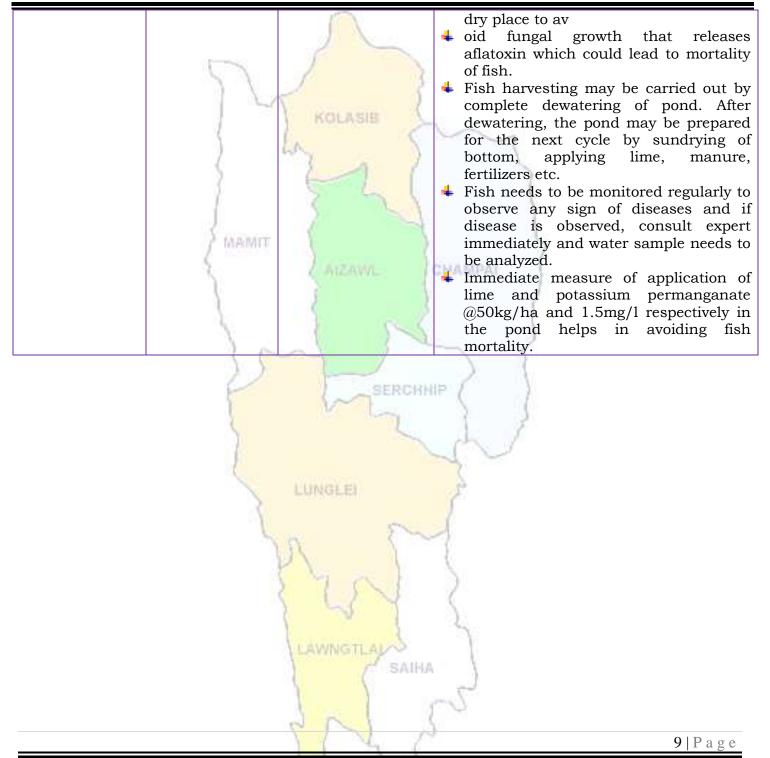


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
			in feed
			4 1 <sup>st</sup> injection at 6-8 weeks of age, 2nd
	2.1	1 5	injection after 6 months of 1 <sup>st</sup> injection
		5	followed by annual vaccination under
		KOLASIE	vet supervision.
	1	1	
	)	La N	<ul> <li>Separate sick animals.</li> </ul>
	6	1 1 1	+ The animal should be washed with
	2		lukewarm water added with little
	1	2 5	potash (KMnO4) or neem leaves.
		2. 54	<b>4</b> Long hair near the
	2		udder/stomach/back legs should be
	/ MAMIT		teamed short.
Poultry	All age group	A STATE	+ Provide preventive dose of anti-coccidial
		( AIZAWIL )	drugs to poultry.
		( )	Proper ventilation of shed.
		5	+ Provide glucose/electral along with
		1 56	vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
			<ul> <li>Avoid overcrowding.</li> </ul>
	11		<ul> <li>Provide broad-spectrum antihelminthic</li> </ul>
	F	SERCHN	drugs under vet supervision and
	1	V~I_	
	5		recommended doses.
			4 Vaccination as per the schedule with
			proper consultation with vet.
	and the second	10 mil 11 s	> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3		days: Intermediate plus/IBD
		0	vaccine, 35 days: F/Lasota, 6-7
	5	n (~~	weeks: Chicken embryo adopted
		1	fowl pox vaccine and 56-70 days:
		The set V	RD R-2B strain.
		1 5 6	🖊 Remove wet litter.
FISHERY		1 55 7	8
	Monitoring of		<b>4</b> Care should be taken that fish are fed
	fish in pond	LAWNGTLAL	with feed that are free from fungus. If
		- SAIHA	the fungal growth is observed in fish
		SAINA	feed, the feed needs to be sundried for
		$f \rightarrow f$	few days prior to feeding.
		1 5 1	Fish feed should be stored in cool and
		6 1 1	
		1146	<b>8</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



### **Expert committee members:**

Dr. I. Shakuntala	:	Joint Director (I/C)	<u>ishakuntala92@gmail.com</u>
Dr. Saurav Saha	$\langle : \rangle$	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### **Programme Coordinator** Name of the **KVK Email Id** Phone no/ KVK Name and Designation Mobile no **KVK** Lunglei Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 : Head & Sr. Scientist 9436154614 Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 KVK, Kolasib : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip : 9436146115 Head & Sr. Scientist 9615389293 KVK, Champhai Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist KVK, Saiha Dr. Vanlalhruaia Hnampe kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit kvkmamit@gmail.com 9436147625 : Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl : Dr. K. P. Chaudhary 9436351669 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Kolasib

Bulletin	<b>No:</b> -	803,	/2018/	Bulletin	/Mizo
			1		6

**Period:** 30 June - 04 July, 2018

### Date of issue: 29th June, 2018

	1 A	P	4				
Parameters	30.06.2018	01.07.2018	02.07.2018	03.07.2018	04.07.2018		
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Max RH (%)	100	100	100	100	100		
Min RH (%)	75	84	77	71	51		
Wind Speed (KmpH)	2	2	2	2	2		
*Wind Direction	E	N-E	S-E	S-E	S-W		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
		31, 2018 (Percent					
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(341.8mm)		(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm		344.00mm	Mamit-449.48m		-411.72mm		
(285.5mm)		(186.21mm)	(442.80m		(259.8mm)		
Weather summary	-	30 <sup>th</sup> June – 0	<b>)4<sup>th</sup> July, 20</b>	18 chhunga	sik leh sa 🚽		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2	27-29°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):2		tura beisei a ni. Khua a lum lai berin 28-31°C a ni ang a. A					
Maximum RH (%):91-		vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai					
Minimum RH (%):80-95%							
Wind Direction: Sout	la a a tha willing	berin 100% leh a hniam lai berin 51-84% 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					
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·						
Wind speed: 3.81 km	/nr	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 102.5 mm		L. L					
Kainiali: 102.5 mm		Weekl	u cumulative	rainfall: 99.0r	nm		
		m conti	geumatatte	rangan 55.01			
NDVI for Mizoram		North East Region 24 Ju	M:1-111	1:4:	· · · · · · · · · · · · · · · · · · ·		
NDVI for Mizoram			winary ary	condition oc	curs in all		
			districts of	Mizoram.			
			-				
		OUT .					
			a bland				
		region.					
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



### **ICAR RESEARCH COMPLEX FOR NEH REGION**

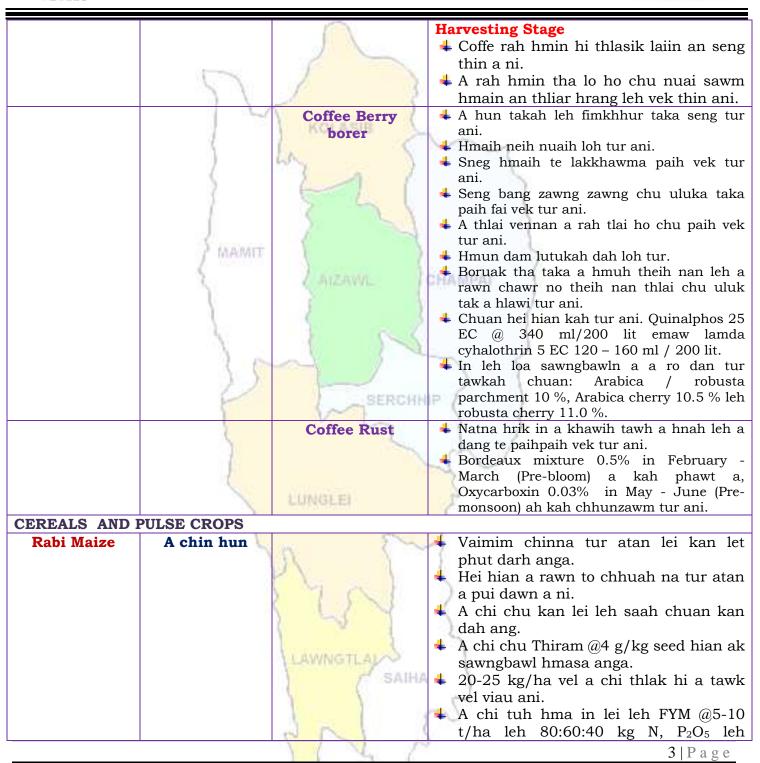


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS		I	l		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 NOLMOID >	velah dahkhawm tur ani.		
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh		
	(	3 4 1	kar tin a tui pek thin tur ani.		
BANANA	2		4 Leia tha mamawh tawk a hmuh		
	1	2 5	theihna turin a hmunhma a hnim awm		
			te thlawhfai thin tur ani.		
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha		
	1 meaning	5	taka pek hian a rah tla tur chelh nan		
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah		
PLOM AND PEACH			keh tur lakah t a veng thei ani.		
РЕАСП			Transmenterer huiser hetel. 1-h. husererer er er		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna		
		canker, citrus	laka vennan Bordeaux past hi thing zar leh		
	500	greening and Dieback	a trangah te hnawih tur ani.		
	11	Fruit fly	↓ Huan zau takah chuan a par tan tirh leh a		
		FILIT IN ROAM	rah tan tirin chawlhkar hnih chhung chu		
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2		
	S		percent emaw malathion 0.15 percent		
	1		suspension containing sugar or jeggery at		
	1		10 g/l.		
PLANTATION CR		LUNGE EI			
COFFEE	All stages	(TOPOD SPOTS)	Nursery stage		
	1	0.00	+ Thlai chi thlak hma in <i>Azospirillum</i> leh		
	5	n (~~	Phosphobacterium a enkawl tur ani.		
			A chi hi December – January ah hmun		
		( San )	zawl/rualrem 1.5 - 2.5 cm a in hlatin		
			tlar mumal tak siam in chin tur ani.		
		55 1	Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.		
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>		
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur		
		≓ SAIHA	ani.		
			$\stackrel{\text{and}}{=}$ Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
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Soybean, pea,	All stage	Zero tillage	<ul> <li>K<sub>2</sub>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.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow	}	"Fhi	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>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 .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAU	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
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Onion and	5	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>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.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>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.</li> </ul>
French bean	Sowing stage		<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage	N P	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> </ul>
		LAWNGTLAK	<ul> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>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.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atar 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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 all emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
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	Duessatis		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	l	4 <sup>th</sup> weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MADVIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	30	ANZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthar tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
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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)



#### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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