

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: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

Date of issue: 27th March, 2018

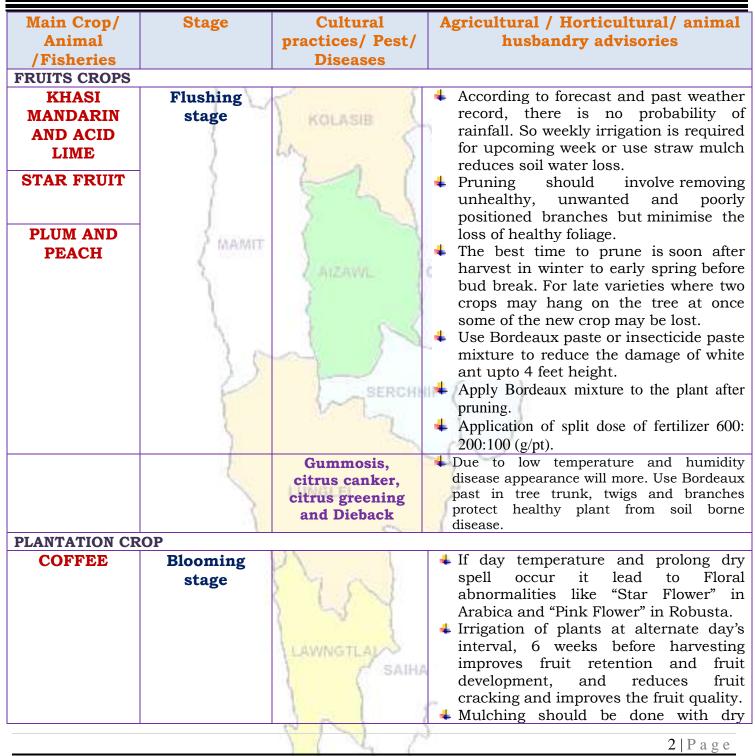
		\mathcal{F}	4			
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	3	0	0	10	4	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	16	16	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	82	87	97	95	90	
Min RH (%)	26	27	24	44	41	
Wind Speed (KmpH)	3	3	3	3	3	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon						
Aizawl- 5.40mm	-	1 <mark>ai-</mark> 3.60mm	Saiha- 0.00 m		- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	-	Weather for		om 28 th March,	2018 То	
three day		01 st April, 2018.				
Maximum Tem. (°C):2	25-28°C	There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1		next 3 days. The maximum and minimum temperatures for				
Maximum RH (%):72-		the next 5 days may range for 30°C and 15-16°C.				
Minimum RH (%):52-		Maximum relative humidity is expected in the range of 82-				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	97% and minimum may from 24-44%. Wind direction				
Cloud cover: Partially	· · · · · · · · · · · · · · · · · · ·	would be southeasterly with the wind speed of 3 km per				
Wind speed: 2-3 km/		hour. Partially clear sky will prevail during the next five				
		days.				
Rainfall: 04.0 mm		uays.				
		III o c lo l		nainfall: 17.0		
				rainfall: 17.0		
NDVI for Mizoram		19.14	winary ary	condition oc	curs in all	
			districts of	Mizoram.		
			1			
		S. S.	1 mm			
		Agriculture signur is modulets over some of the per	ta Barth			
		100	1000			
		VIV	12		1 Page	
					1 1 4 5 0	

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ICAR		
Dutter	7	grasses near the tree base to conserv soil moisture during winter. The young fruit plant must be irrigate at weekly interval for bette establishment. Foliar application of Mepiquat chlorid (a) 1000 PPM concentration or 0.756 SSP (a) 1.5 g per 200 lt of water 15 day interval.
Rubber	Vegetative stage	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is require for upcoming week or use straw multiple reduces soil water loss. Farmers can go for tapping upto las week of January. Make fire line around the field to saw from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft X 1.0 ft between 4 plants. Store dried leaves i the pit and after 4 months it can use a manure.
Oil plam	Vegetative/ Harvesting stage	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy hus to a thickness of about 8 cm. in the basis keeps down the weed growth and decrease the number of irrigations and also improve fruit quality. Application of split dose of fertilizer 600 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain fur size, develop attractive colour with optimus sugar and acid blend.
CEREALS AND I		
Maize (Jhum)	Sowing stage	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.
		3 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be
		RIV A	4 P a g e



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		~	 applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidity
	5	2 3	 and high hamman influence the population of onion trips Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rab season.
Chilli	Vegetative to flowering stage		 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		SAIHA	In large gardens apply carbaryl 0.2 per cen or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l a fortnightly intervals at flowering and frui initiation.
		PN X	5 P a g e



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Potato				
IULALU	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		5	-	harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	1	6	1	the moisture level in shed dry.
)	LA.		Keep 25% seed for next season sowing.
0	0	1 1 1	-	
Cowpea	Sowing stage		+	Plough the field properly, at least 2-3
	1	2 5 1		times.
		2 21	+	Mix fertilizer with FYM 50:60:60Kg
	Commente	1		/ha.
	J' MAMIT	X 2	+	Sow 2-3 seed per whole.
	<u>S</u>	Laszana J	÷.	Spacing should be 30 X 20 cm.
Okra	Sowing stage	american 1	+	Plough the field with the help of spade.
		5	4	Sow 2 seed 45 X 45 cm spacing.
	A.S.	Sec. 1	4	Before sowing seed provide one or two
	S	1 1		irrigation.
	0.0		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY			<u> </u>
Pig	All stages	SERCHN	-	Animals must keep in dry place or
0		acronn	T (
				kept in alleviated area and dry bedding
		Vita	- 3	kept in alleviated area and dry bedding (straw) to be provided to young
	1	m		(straw) to be provided to young
	}	my		(straw) to be provided to young animals.
	}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	+	(straw) to be provided to young animals. 1 st injection at 6 months of age and
			+	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age
		LUNGLEI	the second	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
		LUNGLEI	- Carlos	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
		LUNGLEI	the second secon	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%.
			the second se	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water.
			tetter and	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions
			Catalan and	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
		A.S	Contraction of the contraction o	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine	the second secon	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
		Porcine Reproductive	A A A A A A A A A A A A A A A A A A A	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory	in the second se	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
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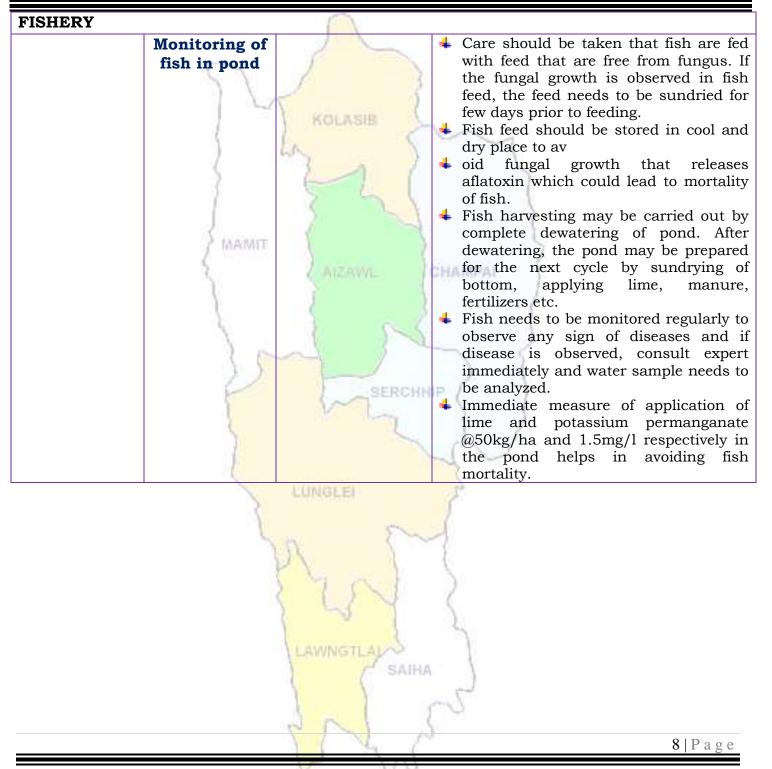


Cattle	All age group	0	4 In present weather conditions, special
	001		care should be taken against attack of
			maggots in the wounds of animals.
		1	Application of turpentine oil in the
	2.1	2 2	wounds followed by application of
		N	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	1	(feed
)	60 J	Provide 10-30 ml of vitamin B-Complex
	S	2 1 (in feed
	1	and a second sec	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	2. WASSING	S	 Separate sick animals.
	30	ATZAWIL I	The animal should be washed with
		1	lukewarm water added with little
		6 5	potash (KMnO4) or neem leaves.
		5 6 6	Long hair near the
			udder/stomach/back legs should be
	1 (C		teamed short.
Poultry	All age group		 Provide preventive dose of anti-coccidial
roundry	mi age group	SERCHH	drugs to poultry.
	1	No tana	 Proper ventilation of shed.
	5		+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	5	Providence -	Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	6		recommended doses.
		11	4 Vaccination as per the schedule with
		PA	proper consultation with vet.
		0701	Day old chick: HVT Marek disease
		1 Lo Y	vaccine, 4-7 days:- F/Lasota, 14-18
		A A	days: Intermediate plus/IBD
		Contraction and Contraction	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLA	weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
	1	N N N	
		VIL I	7 P a g e



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com	
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	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	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:

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 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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District: Aizawl

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		100	3.0			
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Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mon Aizawl- 5.40mm (20.78mm) Lawngtlai-4.00mm (19.52mm)	Champh Lungle	ai- 3.60mm (13.99mm) i-4.30mm (23.30mm)	Saiha- 0.00 mr (18.29r Mamit-8.10mr (17.83n	m Kolasil nm) n Serchh nm)	b- 7.60mm (33.14mm) ip-4.10mm (14.39mm)	
Weather summary of three down	of the past	28 th March – 01 st April, 2018 chhunga sik leh sa				
three day	S		dinhmun tu	r tlangpui		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):72- Minimum RH (%):52- Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 04.0 mm	5-16°C 84% 67% heasterly v cloudy		Khua a lum l 15-16°C ni tu h a hniam lai ar khatah 3 kr rin a ni. A tlar g tak hmuh bei y cumulative	ai berin 30°C a ura beisei a ni berin 24-44% m vela chakin c ngpuiin tun ni sei a ni. rainfall: 17.0r	a ni ang a. A . RH san lai ni tur a rin chhaklam awi nga chhung nm	
NDVI for Mizoram		North East Region 21 far	Mildly dry districts of	condition oc Mizoram.	curs in all	
		Y / Y	12		1 Page	

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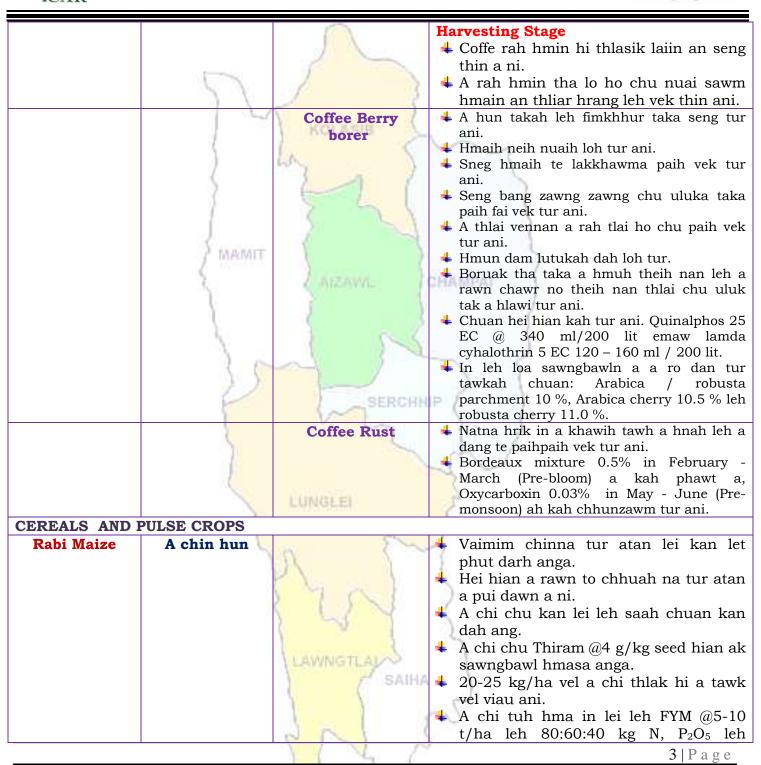


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	I
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID >	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		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
	1 meaning	5 (taka pek hian a rah tla tur chelh nan
PLUM AND	2	ATZAWIL /	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
PEACH		0	Transactory hair a later later harrows
		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	V La	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 (~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			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.
			4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N S	
		11 L	2 P a g e



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Soybean, pea,	All stage	Zero tillage	 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow		mg had	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAU	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		VIL A	4 P a g e



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Onion and capsicum Nursery stage Poly house Thiai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. Thai ul and thei nan nikhat danah tui pek thin tur ani. Thai ul and nan that theil nan nikhat danah tui pek thin tur ani. Thai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha file ani. Thai bulk the ani. French bean Sowing stage Phytopthora bilght A than a that theih nan tui pek hma in lei rin pan hmasak tur ani. Tui pek hinhan hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than a that theih nan nikhat danah tui pek hin a tha thim to loh na turin a kung bulah lei vur chhok zel tur ani. Carrot and radish Sowing stage A than a that theih nan nikhat danah tui pek hin tur ani. A than a that theih nan nikhat danah tui pek hin tur ani. Tui pek huah thlai bul vawn hnawn na tu siam tur ani. Zikhlum 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.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalasyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageFrench beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stage	Onion and	Nursery stage	Poly house	 ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageHneh taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing 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 leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Display a pawlha kah tur aniA than a that theih nan nikhat danah tui pek hunah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Display a pawlha kah tur ani.A than a that tur ani. <th></th> <th></th> <th></th> <th> tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha </th>				 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
Carrot and radishSowing stage4A than a that theih nan tui pek hma in lei rin pan hmasak tur ani. 4A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage4A than a that theih nan nikhat danah tui pek thin tur ani. 4Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. 47Thai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish 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.	French bean	Sowing stage	LUNGLEI	 a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. 4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 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
			P 12 4)



ICAR RESEARCH COMPLEX FOR NEH REGION



NIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiahrenga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hleani.
	{ 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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAK	 Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
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ICAR RESEARCH COMPLEX FOR NEH REGION



	7		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	¢	Ranikhet Disease- an pian atanga ni $1-6$ ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R_2B vaccine pek tur ani.
	5	Star L	4	B complex with antibodies
	1	4 th weeks	4	Coccidiosis- Amprolium or coccidiostat
	J MANAL	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	- C	ATZAWA 1	CH4	MPAI {
(Sa	onitoring angha kawl)	LUNGLEI		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. 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. 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 tur dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltur enfiah vat tur ani. 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.
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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	1	Scientist (Agril. Physics)	<u>sauravs.saha@gmail.com</u>	
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	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	
	1.4	LURATE A		

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

8 | Page



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: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

Date of issue: 27th March, 2018

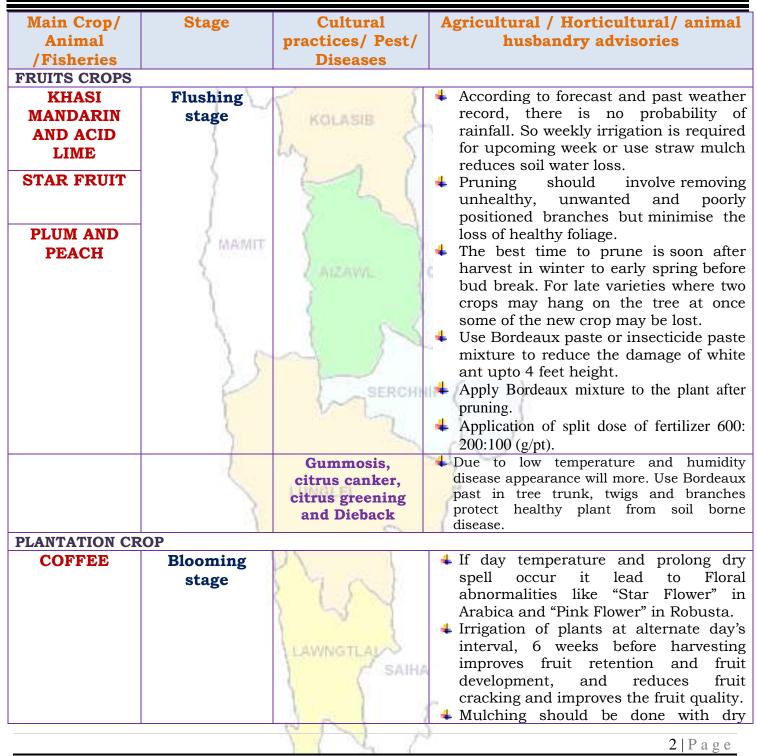
Parameters	28.03.2018		30.03.2018	31.03.2018	01.04.2018			
Rainfall (mm)	3	0	0	3	7			
Max Temp (°C)	30	30	30	30	30			
Min Temp (°C)	15	15	15	16	16			
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear			
Max RH (%)	84	85	73	95	91			
Min RH (%)	35	28	23	40	47			
Wind Speed (KmpH)	3	3	2	4	4			
*Wind Direction	S-E	E	S-E	E	E			
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,				
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.				
Status of Post Mon	soon- February	v 1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)			
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm			
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)			
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm			
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)			
Weather summary of	of the past	Weather forecast valid from 28 th March, 2018 To						
three day	s	01 st April, 2018.						
Maximum Tem. (°C):2	26-28°C	There are chances of light rainfall during the next 3 days.						
Minimum Tem. (°C):		The maximum and minimum temperatures for the next 5						
Maximum RH (%):75-		days may range for 30°C and 15-16°C. Maximum relative						
Minimum RH (%):51-	62%	humidity is expected in the range of 73-95% and minimum						
Wind Direction: Sout	heasterly	may from 23-47%. Wind direction would be southeasterly						
Cloud cover: Partially	v clear	to easterly to southeasterly and easterly with the wind						
Wind speed: 2-3 km/		speed of 2-4 km per hour. Partially clear sky will prevail						
Rainfall: 05.0 mm		during the next five days.						
		No. of the second se		r <mark>ainfall:</mark> 13.0 1				
NDVI for Mizoram		North East Region 24 fas		condition oc	curs in all			
		~~~~ E	districts of	Mizoram.				
		Diffe and						
		CT .	-					
		Anticipate is noticed and one of the set	a Sarth					
		ngin.						
		8 3	19		1   D			
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND E Maize	Sowing stage	L'ENUNDIES -	<b>4</b> Remove all weed plant from the
(Jhum)	Sound Stude	- SAIHA	<ul> <li>Keep the plant, leaves and wood for dry.</li> </ul>
		602 2	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural experisions should be</li> </ul>
		1121	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
	50	2 3	<ul> <li>Low temperature and high number influence the population of onion trips</li> <li>Apply any systemic insecticide 1. ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	Intercultural operations should be dorn regularly to keep the crop free from weeds and aeration of the root system.
	1	54	<ul> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide treduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss.
	25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will man in dry weather. Apply any systemat</li> </ul>
	}	1	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> </ul>
		12M	<ul> <li>Apply split dose of nitrogenou</li> <li>fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		SAIHA	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
		P N S	5   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			1	
Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1 2	4	Discard all mother tubers from
		$\nabla$	-	harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	6	6	1	the moisture level in shed dry.
	)	LA.	-	Keep 25% seed for next season sowing.
<b>A</b>	Coming stores	1 1 1	+	Plough the field properly, at least 2-3
Cowpea	Sowing stage		-	
	1	2 5		times.
		2 24	-	Mix fertilizer with FYM 50:60:60Kg
	S marine			/ha.
	J' MAMIT	N 1	+	Sow 2-3 seed per whole.
	S	I norman I	- 1. TA	Spacing should be 30 X 20 cm.
Okra	Sowing stage	a menter i	+	Plough the field with the help of spade.
	1	5	4	Sow 2 seed 45 X 45 cm spacing.
		Sec. and	4	Before sowing seed provide one or two
		1 1		irrigation.
	)		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY			
Pig	All stages	SERCHN	-	Animals must keep in dry place or
8		1 SERGIN	- (	kept in alleviated area and dry bedding
	<u> </u>		- 6	(straw) to be provided to young
	S			animals.
			4	1 st injection at 6 months of age and
	1		33	2nd injection at 12 months of age
		LUNGLEI		followed by annual vaccination under
	S.	CONGERT	12	vet supervision against FMD.
	1		4	Reduce concentrate diet up to 5%.
		5	1	Provide adequate potable water.
		I	1	
			1	1
		M T TOL	- 3	vaccinate against swine fever (Vaccines
			1	available in State Veterinary Departs)
		Porcine	3	. Culling of positive pigs or piglets.
		Reproductive		1
		Respiratory		
				- V -
		Syndrome (PRRS).		
		Syndrome (PRRS).		
		Syndrome (PRRS).	-	
		Syndrome (PRRS).	~	5
		Syndrome (PRRS).	~	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

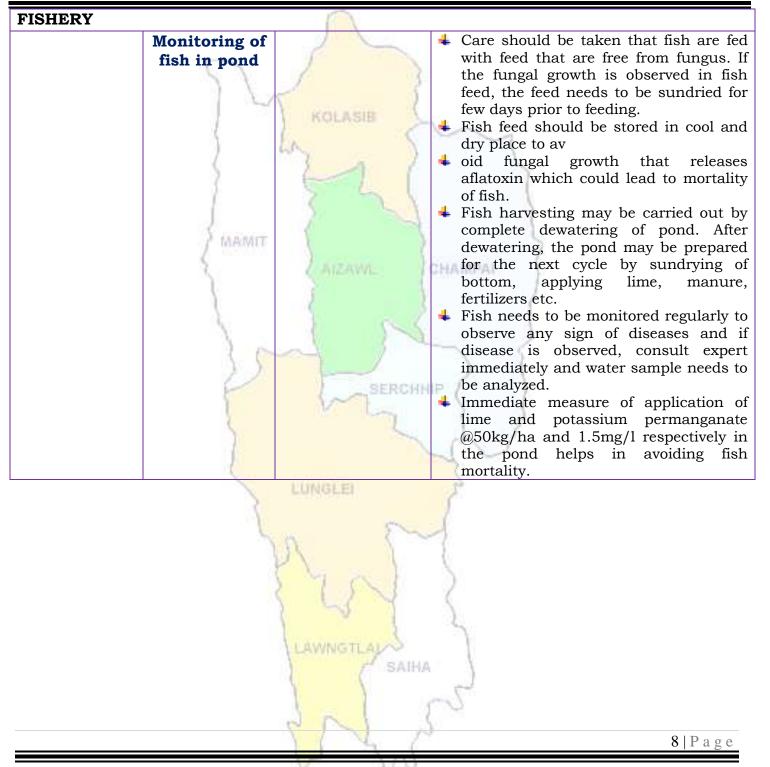


Cattle	All age group		4 In present weather conditions, special
	8- 8F		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.3	1 2	wounds followed by application of
	1	5	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	6		feed
	)	60 J	Provide 10-30 ml of vitamin B-Complex
	5		in feed
	1	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	2 martines	1	<ul> <li>Separate sick animals.</li> </ul>
	3.0	2 ATZAWIL 1	4 The animal should be washed with
	13	2	lukewarm water added with little
		<	potash (KMnO4) or neem leaves.
		5 5 6	Long hair near the
	1 1 2		udder/stomach/back legs should be
	S . (		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
- ourcry		SERCHH	drugs to poultry.
	1	M. Lang	Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	10		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2	PENNING PERMIT	<b>4</b> Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	m 2~~	recommended doses.
		131	<b>4</b> Vaccination as per the schedule with
			proper consultation with vet.
			> Day old chick: HVT Marek disease
		) La M	vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		LI AMPLETT ALLAS	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks. Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		1 15 11 11	4 Remove wet litter.
		P C L	
			7   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. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.con	
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:**

#### 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

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

Guwahati)



#### **District:** Champhai

Bulletin	<b>No:</b> -	779/	/2018/	Bulletin/	Mizo
				- No.	0

#### Period: 28 March - 01 April, 2018

#### Date of issue: 27th March, 2018

	2.1	P	1.1				
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018		
Rainfall (mm)	3	0	0	3	7		
Max Temp (°C)	30	30	30	30	30		
Min Temp (°C)	15	15	15	16	16		
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	84	85	73	95	91		
Min RH (%)	35	28	23	40	47		
Wind Speed (KmpH)	3	3	2	4	4		
*Wind Direction	S-E	E	S-E	E	E		
Northe	rly- N, North-	Easterly- N-E, E	asterly- <mark>E</mark> , South	-Easterly- <mark>S-E</mark> ,			
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , W	esterly-W, North	n-westerly- N-W.			
Status of Post Mon	soon- February	7 1-28, 2018 (Perc	ent of deviation f	rom normal in pa	ırenthesis)		
Aizawl- 5.40mm	Champh	lai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>b- 7.60mm</b>		
(20.78mm)		(13.99mm)	(18.291	· · · · · · · · · · · · · · · · · · ·	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		<mark>ip-4.10mm</mark>		
(19.52mm)		(23.30mm)	(17.83n	· · · · · · · · · · · · · · · · · · ·	(14.39mm)		
Weather summary of	of the past	28 th March -	01 st April, 2	018 chhunga	sik leh sa		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2	06-28°C	Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):		tura beisei a ni. Khua a lum lai berin 30°C a ni ang a. A					
Maximum RH (%):75-		Ŭ					
Minimum RH (%):51-0		vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai berin 73-95% leh a hniam lai berin 23-47% ni tur a rin					
Wind Direction: Sout							
Cloud cover: Partially	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam					
Wind speed: 2-3 km/l		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
······		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 05.0 mm							
		Week	ly cumulative	rainfall: 13.0r	nm		
NDVI for Mizoram		North East Region	²¹ Mildly dry	condition of	curs in all		
		~	districts of				
		5000					
		man AS	an an an an				
		ALC:	Maria Janata				
		all.	<u>1</u>				
		Applications address in provincement of the	for sets				
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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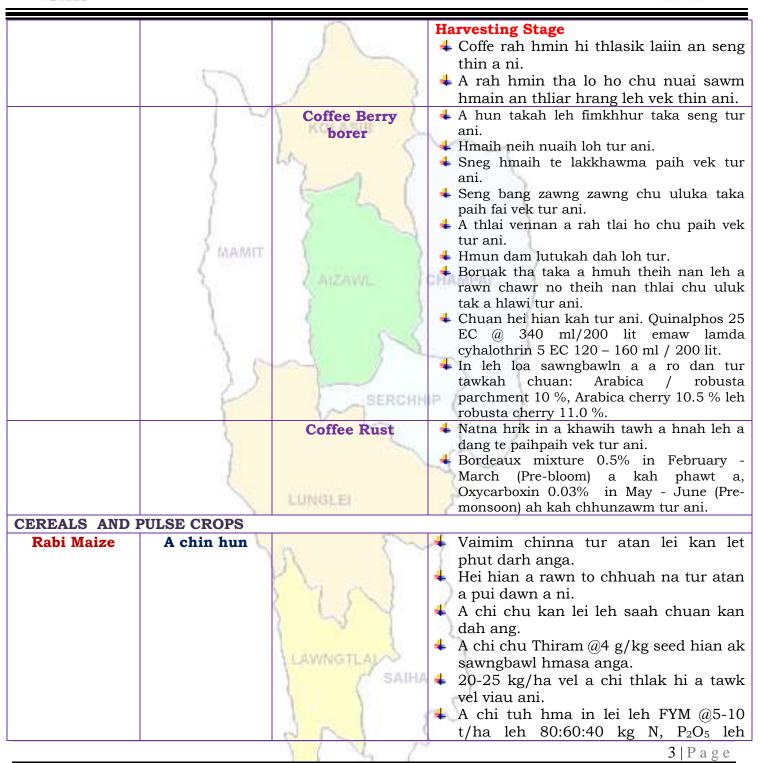


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS	I	I	l			
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		I NULHOID	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			
		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	3.0	ATZAWIL /	leh a rah than that nan te leh a rah			
PLOM AND PEACH			keh tur lakah t a veng thei ani.			
PLACH	l	0	Tourse stress to be betalled by because and a			
		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			
	5.0	greening and Dieback	a trangah te hnawih tur ani.			
	11	Fruit fly	<ul> <li>Huan zau takah chuan a par tan tirh leh a</li> </ul>			
		FILIT ILY ROAM	rah tan tirin chawlhkar hnih chhung chu			
	1	Y 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 P		10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages	a second second	Nursery stage			
		0	+ Thlai chi thlak hma in Azospirillum leh			
	1	5 (~	Phosphobacterium a enkawl tur ani.			
			A chi hi December – January ah hmun			
		1 m and	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.			
			4 Chuan a chi chu lei tlem te a chhilh a			
		2 -3 1	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.			
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
	I	N N I				
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	2	$\bigwedge$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<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 SERCHN	<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>
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ICAR RESEARCH COMPLEX FOR NEH REGION



0	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>
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>
		6 N 2	
			5   P a g e



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ANIMAL HUSBE	ENDARY		
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>
		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 A	<b>6</b>   P a g e



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	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>4 Ranikhet</b> Disease- an pian atanga r
	measures	La N	1-6 ah F1 vaccine pek tur ani a, chua
		1 1	a puitlingh chuan R ₂ B vaccine pek tu ani.
	3	Contraction 1	<ul> <li>B complex with antibodies</li> </ul>
	1	4 th weeks	<b>Coccidiosis</b> - Amprolium o
	2		coccidiostat
	} MADAT	4-5 th Weeks	$\downarrow$ Calcium tonic fortified with B ₁₂
FISHERY	8	A AZAWAL	CHAMPAL
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d 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 er 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 hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
		6 N 3	
		1 4 6	7   P a g e



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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 | Page



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

Guwahati)



#### **District:** Kolasib

Bulletin No: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

#### Date of issue: 27th March, 2018

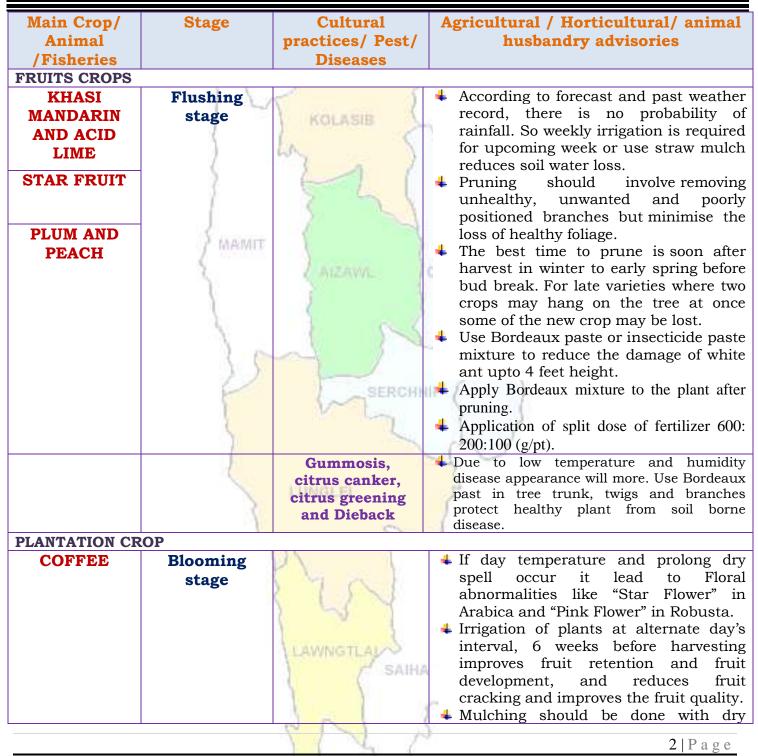
			41			
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	4	10	5	
Max Temp (°C)	31	31	31	31	31	
Min Temp (°C)	17	17	17	18	18	
Cloud Coverage	Partially clear	r Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	81	81	78	85	74	
Min RH (%)	25	26	22	43	37	
Wind Speed (KmpH)	3	3	3	3	3	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon	soon- Februar	y 1-28, 2018 (Perce			renthesis)	
Aizawl- 5.40mm	Champl	1ai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>o- 7.60mm</b>	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	of the past	Weather forecast valid from 28 th March, 2018 To				
three day	S	01 st April, 2018.				
Maximum Tem. (°C):2	28-30°C	There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1	. <b>6-21ºC</b>	next 3 days. The maximum and minimum temperatures for				
Maximum RH (%):85-	<b>91%</b>	the next 5 days may range for 31°C and 17-18°C.				
Minimum RH (%):57-		Maximum relative humidity is expected in the range of 74-				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	85% and minimum may from 22-43%. Wind direction				
<b>Cloud cover: Partially</b>		would be southeasterly with the wind speed of 3 km per				
Wind speed: 2-3 km/	hr	hour. Partially clear sky will prevail during the next five				
		5 5 1 6				
Rainfall: 06.2 mm		days.				
		TTT				
		Weekly cumulative rainfall: 19.0 mm				
NDVI for Mizoram		Month teat Region Mildly dry condition occurs in all				
		districts of Mizoram.				
			) www.			
		of the	1 com			
		Agriculture signur is moderate over some of the per	ta Barth			
		1 1 2	10.000			
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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ICAR		
Dutter	7	<ul> <li>grasses near the tree base to conserv soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for bette establishment.</li> <li>Foliar application of Mepiquat chlorid @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 day interval.</li> </ul>
Rubber	Vegetative stage	<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto las week of January.</li> <li>Make fire line around the field to sav from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft between 4 plants. Store dried leaves if the pit and after 4 months it can use a manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy hust to a thickness of about 8 cm. in the basi keeps down the weed growth and decrease the number of irrigations and also improve fruit quality.</li> <li>Application of split dose of fertilizer 600 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimur sugar and acid blend.</li> </ul>
CEREALS AND I		
Maize (Jhum)	Sowing stage	<ul> <li>Remove all weed plant from th selected place.</li> <li>Keep the plant, leaves and wood fo dry.</li> </ul>
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	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLA SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>
		VIL P	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		~	<ul> <li>applied 30-40 days after transplanting</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity</li> </ul>
	5	2 3	<ul> <li>influence the population of onion trips</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability o rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next rab season.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		SAIHA	In large gardens apply carbaryl 0.2 per cen or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l a fortnightly intervals at flowering and frui initiation.
		PN X	5   P a g e



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



Detete			1	
Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		$\nabla$	-	harvested potato tubers.
		KOLASIE	-	Keep 7 -10 days for drying or reduce
	1	6	1	the moisture level in shed dry.
		LA.		Keep 25% seed for next season sowing.
•	0.1.1.1	1 1 1	-	•
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		2 21	+	Mix fertilizer with FYM 50:60:60Kg
	R anno			/ha.
	J' MAMIT	X 2	-	Sow 2-3 seed per whole.
	S	1 and and	1	Spacing should be 30 X 20 cm.
Okra	Sowing stage	d'anericane à	4	Plough the field with the help of spade.
		5	4	Sow 2 seed 45 X 45 cm spacing.
	S	S. A.	4	Before sowing seed provide one or two
	S	1 1		irrigation.
	1.0		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY			
Pig	All stages	SERCHN		Animals must keep in dry place or
-	6	(~	1P (	
-	1	1 miles	P (	kept in alleviated area and dry bedding
-		m	F (	kept in alleviated area and dry bedding (straw) to be provided to young
-	5	m		kept in alleviated area and dry bedding (straw) to be provided to young animals.
_	}	m	4	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and
_	2	m	4	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age
_	Z	LUNGLEI	A Car	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
-		m	1	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
		m	4	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%.
		m		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water.
		m	A A A A A A A A A A A A A A A A A A A	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions
		m	APPEN A	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
			4 444	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLEI	4 444	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
		LUNGLEI Porcine Reproductive		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLEI Porcine Reproductive	4 444	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)

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



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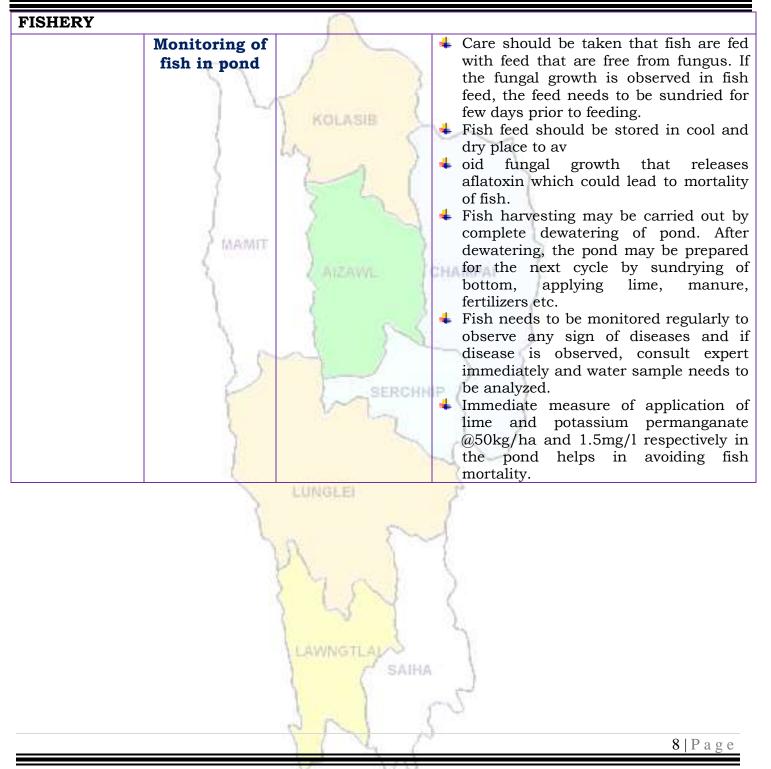


Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.3	1 2	wounds followed by application of
	1	5	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		feed
	)	60 J	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	1	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	2 martines	1	<ul> <li>Separate sick animals.</li> </ul>
	3.0	2 ATZAWIL 1	4 The animal should be washed with
	13	2	lukewarm water added with little
		<	potash (KMnO4) or neem leaves.
		5 5 6	Long hair near the
	1 1 2		udder/stomach/back legs should be
	S . (		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
louicij		SERCHH	drugs to poultry.
	1	M. Long	Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	10		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2	PENNING PERMIT	<b>4</b> Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	m 8~~	recommended doses.
		131	<b>4</b> Vaccination as per the schedule with
			proper consultation with vet.
			Day old chick: HVT Marek disease
		) La Y	vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		A CAMPLE TO A CONTRACT	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks. Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		1 - 1	4 Remove wet litter.
		C N N	<u>v</u>
			7   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. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
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:**

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

Guwahati)



### **District:** Kolasib

Bulletin	<b>No:</b> -	779/2018/	Bulletin/Mizo	
			1 6	

Period: 28 March - 01 April, 2018

### Date of issue: 27th March, 2018

		P.	4.1			
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	4	10	5	
Max Temp (°C)	31	31	31	31	31	
Min Temp (°C)	17	17	17	18	18	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	81	81	78	85	74	
Min RH (%)	25	26	22	43	37	
Wind Speed (KmpH)	3	3	3	3	3	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.		
Status of Post Mon	soon- February	1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)	
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>-</b> 7.60mm	
(20.78mm)		(13.99mm)	(18.29r	•	(33.14mm)	
Lawngtlai-4.00mm		i-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary of	of the past	28 th March –	01 st April, 20	018 chhunga	sik leh sa	
three day	s		dinhmun tu			
Maximum Tem. (°C):2	28-300C	Tun ni 3 chhui			i the mighto	
Minimum Tem. (°C):1		tura beisei a ni.	0			
Maximum RH (%):85-		vawh lai ber in			U	
Minimum RH (%):57-	600/					
Wind Direction: Sout	hoostor!	berin 74-85% leh a hniam lai berin 22-43% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi				
Cloud cover: Partially						
Wind speed: 2-3 km/	h <del>r</del> i	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
		hian khawthiang tak hmuh beisei a ni.				
Rainfall: 06.2 mm						
		Weekly cumulative rainfall: 19.0mm				
NDVI for Mizoram		North East Region 24 is	Mildly dry	condition oc	curs in all	
		~~~~ ==:	districts of			
		5032	ters unit			
			-			
		AL I	}			
		A =-	Ners (
		Agriculture rights is moderate over some of the per region.	es Navels			
			N		1 D a g a	
			6		1 P a g e	

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



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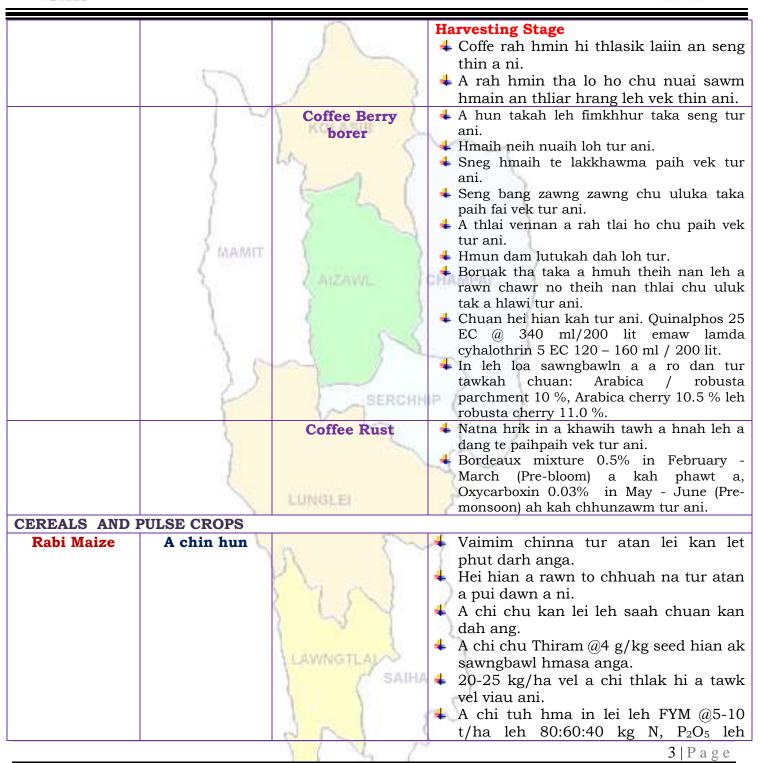


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 HOLMOID >	velah 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
	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.
PLACH			Tourse stress to be betalled by because and a
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1	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		LUNGLEI	
COFFEE	All stages	an san san ta'	Nursery stage
	1	0	+ Thlai chi thlak hma in Azospirillum leh
	1	n (~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		1 m and	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAU	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	I	N N I	
		VIV A	2 P a g e
			211 age



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	2	\bigwedge	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CR0	Sowing stage	AIZAWL SERCHN	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		V V V	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	\sum	 Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga r
	measures	La N	1-6 ah F1 vaccine pek tur ani a, chua
		1 1	a puitlingh chuan R ₂ B vaccine pek tu ani.
	3	Contraction 1	 B complex with antibodies
	1	4 th weeks	Coccidiosis - Amprolium o
	2		coccidiostat
) WEINIT	4-5 th Weeks	\downarrow Calcium tonic fortified with B ₁₂
FISHERY	8	A AZAWAL	CHAMPAL
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		6 N 3	
		1 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	:	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 | Page



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: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

Date of issue: 27th March, 2018

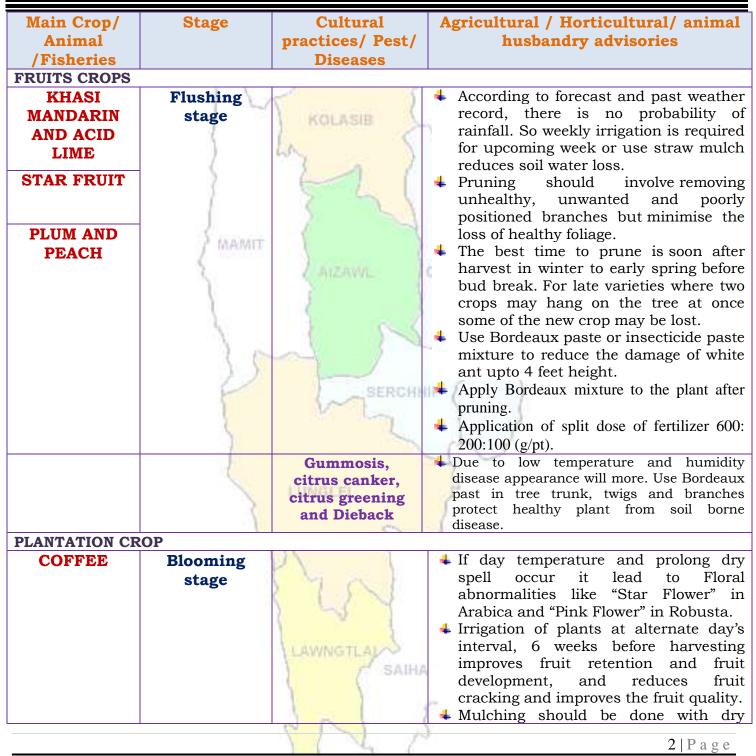
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	4	10	5	
Max Temp (°C)	31	31	31	31	31	
Min Temp (°C)	17	17	17	18	18	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	81	81	78	85	74	
Min RH (%)	25	26	32	43	37	
Wind Speed (KmpH)	3	2	2	2	3	
*Wind Direction	E	S-E	S-E	N-E	S	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	•	
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon						
Aizawl- 5.40mm	-	<mark>ai-</mark> 3.60mm	Saiha- 0.00 m		- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	-	Weather for		om 28 th March,	2018 To	
three day			01 st April,			
Maximum Tem. (°C):		There are chance		U U	0	
Minimum Tem. (°C):		next 3 days. The	maximum and	l minimum tem	peratures for	
Maximum RH (%):81-		the next 5 days may range for 31°C and 16-18°C.				
Minimum RH (%):48-		Maximum relativ	ve humidity is	expected in the	range of 74-	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	85% and minin	num may from	m ^{26-43%} . Wi	ind direction	
Cloud cover: Partially		would be easter	rly to southea	sterly to north	easterly and	
Wind speed: 2-3 km/	пг	southerly with the	•	•	•	
Rainfall: 04.3 mm		clear sky will pro	÷	–	0	
Kalillall. 04.5 lilli		5 1	0	5		
		Weekl	y cumulative	rainfall: 19.0 1	nm	
NDVI for Mizoram		North East Region 24 is	Mildly dry	condition of	curs in all	
		~~~ ==	districts of			
		Stor III	1			
		CAR I				
		CT I	}			
		<b>D</b>	1997 ( )			
		region.	C 500			
		6 5	2		1	
			6		1   Page	

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



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soil moisture during winter.         The young fruit plant must be irrigate at weekly interval for bette establishment.         Folia application of Mepiquat chlorid (@ 1000 PPM concentration or 0.755 SSP (@ 1.5 gp er 200 lt of water 15 day interval.         Rubber       Vegetative stage         Stage       According to forecast and past weather record, there is no probability or anifall. So weekly irrigation is require for upcoming week or use straw mulc reduces soil water loss.         Flamms       Vegetative/ Harvesting stage         Oil plam       Vegetative/ Harvesting stage         Oil plam       Vegetative/ Harvesting stage         Coil plam       Vegetative/ Harvesting stage         CereeALS AND PULSE CROPS       % Provide irrigation 10-15 days internal.         CereeALS AND PULSE CROPS       % Remove all weed plant from th selected place.         Maize (Jhum)       Sowing stage	ICAR			
Oil plam       Vegetative/ Harvesting stage       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •       •		7	KOLASIB	<ul> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Harvesting stage       * Application of dry leaf mulch or paddy hus to a thickness of about 8 cm. in the basis keeps down the weed growth and decrease the number of irrigations and also improve fruit quality.         * Application of split dose of fertilizer 600 200:100 (g/pt).         * Apply Bordeaux mixture to the plant after pruning.         * Fruits are harvested when they attain fur size, develop attractive colour with optimum sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jhum)       Sowing stage         * Remove all weed plant from th selected place.         * Keep the plant, leaves and wood for dry.	Rubber	stage	AIZAWL	<ul> <li>record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Maize (Jhum)       Sowing stage       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constraint of the selected place.         Image: A constraint of the selected place.       Image: A constrate and the selected place.		Harvesting		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum</li> </ul>
(Jhum) selected place. Keep the plant, leaves and wood for dry.			L'ANNOILA	Remove all weed plant from the
		Sowing stage	SAIHA	selected place. Keep the plant, leaves and wood for
A Page			PN A	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>
		VIL /	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Capsicum	5	~	<ul> <li>applied 30-40 days after transplanting</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidities</li> </ul>
Capsicum	5		
Capsicum		5 5	<ul> <li>influence the population of onion trips</li> <li>Apply any systemic insecticide 1.</li> <li>ml/lt of water.</li> </ul>
•	Flowering to fruiting stage	Poly house	Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system.
	]	54	<ul> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
	25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will ma in dry weather.</li> </ul>
	}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<ul> <li>in dry weather. Apply any systematic insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ran season.</li> </ul>
Chilli	Vegetative to flowering stage		According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.
		12M	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
		PN S	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)



			ī	
Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		5	-	harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	1	6	1	the moisture level in shed dry.
	)	WAL N		Keep 25% seed for next season sowing.
<u> </u>	0.1.1.1		-	
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		2 24	+	Mix fertilizer with FYM 50:60:60Kg
	Real and the second	1		/ha.
	/ MAMIT	X 2	4	Sow 2-3 seed per whole.
	S	1 antima 1	2 . <b>.</b>	Spacing should be 30 X 20 cm.
Okra	Sowing stage	damentar 1	4	Plough the field with the help of spade.
		5	4	Sow 2 seed 45 X 45 cm spacing.
	A	S.	4	Before sowing seed provide one or two
	1	1 1		irrigation.
	1.0		4	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY			
Pig	All stages	arment.		Animals must keep in dry place or
112				
118	in stuges	SERCHN	IP (	
115	in stuges	(	P (	kept in alleviated area and dry bedding
115		with the series of the series	P (	kept in alleviated area and dry bedding (straw) to be provided to young
1 15		W SERCHA		kept in alleviated area and dry bedding (straw) to be provided to young animals.
115		with the second	4	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and
1 15		m	4	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age
1 15		LUNGLEI	4	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
1 15		m		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
8		m	1	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%.
6		m	and a second	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water.
6		m	the second second	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions
6		m	A the second second	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
1 16			A the second sec	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
g		LUNGLE	A A A A A A A A A A A A A A A A A A A	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
g		LUNGLEI		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
g		LUNGLEI Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		LUNGLEI		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
• •g		LUNGLEI Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
• •g		LUNGLEI Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
• •g		LUNGLEI Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
• •g		LUNGLEI Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)

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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

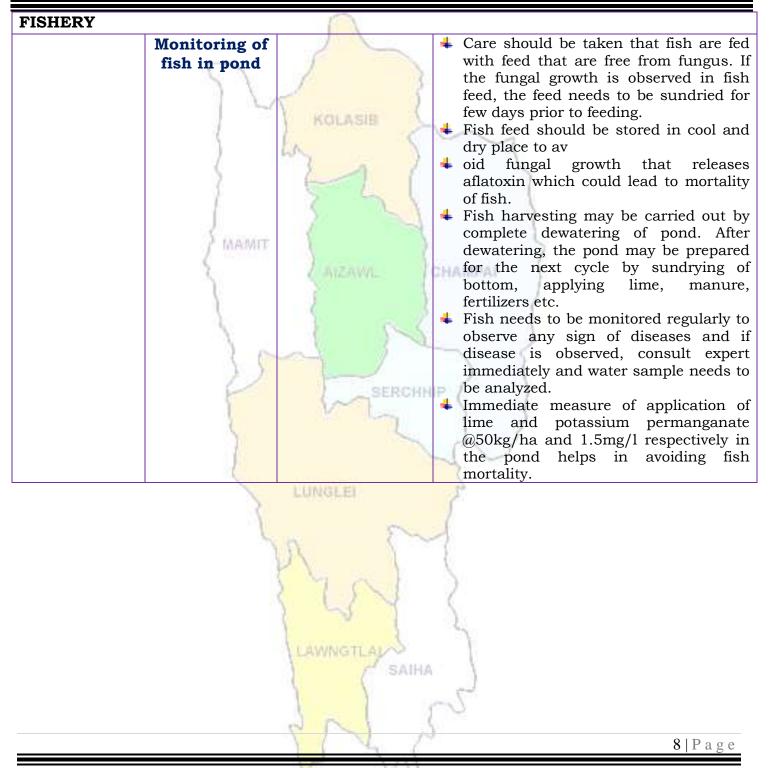


Cattle	All age group		4 In present weather conditions, special
Cutter			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 5	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	<ul> <li>Provide UMB/Molases if possible in the</li> </ul>
	1		feed
	)	64 J	Provide 10-30 ml of vitamin B-Complex
	5	1 1	in feed
	1	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	AMAINT		vet supervision.
	1	5	Separate sick animals.
	3.0	2 ATZAWAL 1	<ul> <li>4 The animal should be washed with</li> </ul>
		2	lukewarm water added with little
		6 3	potash (KMnO4) or neem leaves.
		S Cal	Long hair near the
	1 1 2		udder/stomach/back legs should be
	8.0		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
iouncry	mi age group	SERCHN	drugs to poultry.
	8	No los	<ul> <li>Proper ventilation of shed.</li> </ul>
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	10		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2	Providences .	<b>4</b> Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	m 2~~	recommended doses.
		131	↓ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 1	> Day old chick: HVT Marek disease
		) La Y	vaccine, 4-7 days:¬ F/Lasota, 14-18
		A A A	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
			weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		1 15 11 11	4 Remove wet litter.
		601	
			7   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. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
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:**

#### 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 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

9 | 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:** Lawngtlai

<b>Bulletin No: -</b>	779/2018/	Bulletin/Mizo
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### Period: 28 March - 01 April, 2018

### Date of issue: 27th March, 2018

			1		
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018
Rainfall (mm)	0	0	4	10	5
Max Temp (°C)	31	31	31	31	31
Min Temp (°C)	17	17	17	18	18
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear
Max RH (%)	81	81	78	85	74
Min RH (%)	25	26	32	43	37
Wind Speed (KmpH)	3	2	2	2	3
*Wind Direction	E	S-E	S-E	N-E	S
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.	
Status of Post Mon	soon- February	1-28, 2018 (Perce	ent of deviation f	rom normal in pa	renthesis)
Aizawl- 5.40mm	Champh	<mark>ai-</mark> 3.60mm	Saiha- 0.00 m		o- 7.60mm
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m		<b>ip-4.10mm</b>
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)
Weather summary of	of the past	28 th March –	01 st April, 20	018 chhunga	sik leh sa
three day	S		dinhmun tu		
Maximum Tem. (°C): 3 Minimum Tem. (°C): 3 Maximum RH (%):81- Minimum RH (%):48-3 Wind Direction: South Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 04.3 mm NDVI for Mizoram	15-17°C 89% 59% heasterly v clear		Khua a lum lai 16-18°C ni tu ch a hniam lai kar khatah 2-3 eh rin a ni. A tl g tak hmuh bei	berin 30-31ºC ura beisei a ni berin 26-43% km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung <b>nm</b>
			) *** } == ***		1   P a g e



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

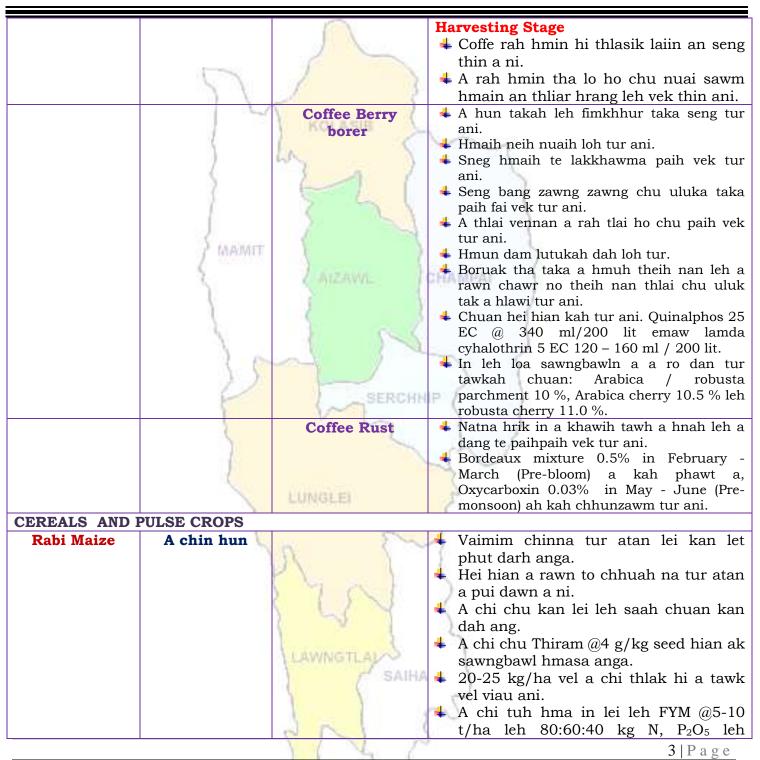


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	•		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		Thomas 2	velah dahkhawm tur ani.
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh
		1 0 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	6	2 5 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 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
PEACH			keh tur lakah t a veng thei ani.
РЕАСП	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1.1.2	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	FILIT IYERCHN	rah tan tirin chawlhkar hnih chhung chu
	1	Y La	heng te hian enkawl tur ani: carbaryl 0.2
	S.		percent emaw malathion 0.15 percent
			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.
			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.
		1 -3 1	Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.
			<ul> <li>A Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		≓ SAIHA	
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
L	1	NR C	
		VIV A	2   P a g e
			2   1 agu



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soybean, pea,	All stage	Zero tillage	<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow		the for the second	<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 /	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>	
			5   P a g e	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



NIMAL 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>
	AMAINT	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.
		6 N 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 /liar 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>4 Ranikhet</b> Disease- an pian atanga n
	measures	En S	1-6 ah F1 vaccine pek tur ani a, chuar
	1	~~~ 1 / ·	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1		B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium o:
	FINAMIT		coccidiostat
	Y 1055005	4-5 th Weeks	+ Calcium tonic fortified with $B_{12}$
FISHERY	1	AIZAWL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>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.</li> <li>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 lal 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 en 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 lah atangin a veng thei.</li> </ul>
		6 5 1	710
		1 4 6	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	:	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



8 | Page



**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: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

### Date of issue: 27th March, 2018

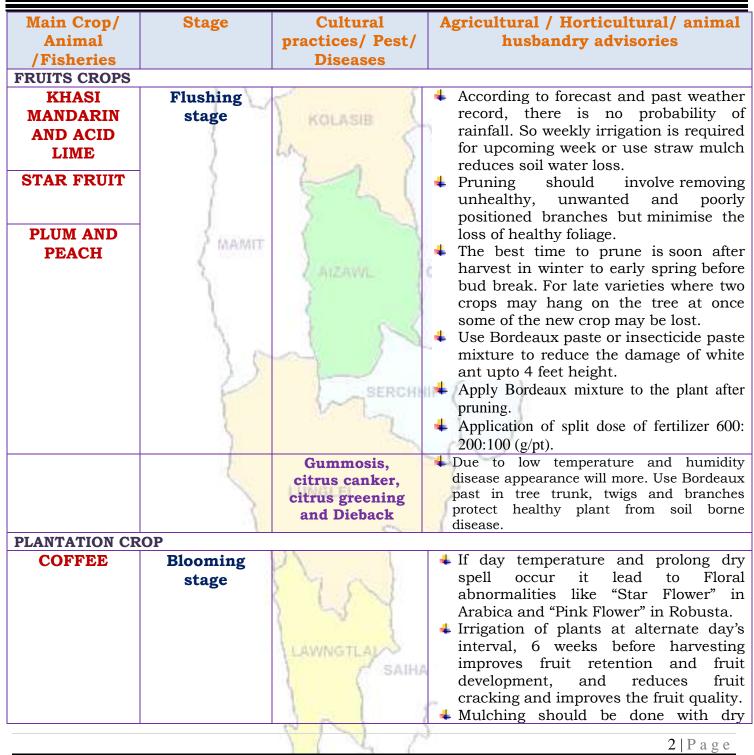
		100				
Parameters	28.03.2018		30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	4	10	5	
Max Temp (°C)	31	31	31	31	31	
Min Temp (°C)	17	17	17	18	18	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	81	81	78	85	74	
Min RH (%)	25	26	35	43	37	
Wind Speed (KmpH)	4	2	2	3	3	
*Wind Direction	E	E	N-E	E	E	
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.		
Status of Post Mon					renthesis)	
Aizawl- 5.40mm	Champh	lai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>- 7.60mm</b>	
(20.78mm)		(13.99mm)	(18.29r	· · · · · · · · · · · · · · · · · · ·	(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary of	of the past	Weather for	ecast valid fro	m 28 th March,	2018 To	
three day	s	01 st April, 2018.				
Maximum Tem. (°C):2	23-28°C	There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1	4-16ºC	next 3 days. The maximum and minimum temperatures for				
Maximum RH (%):75-88%		the next 5 days may range for 31°C and 17-18°C.				
Minimum RH (%):49-56%		Maximum relative humidity is expected in the range of 78-				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	81% and minimum may from 25-43%. Wind direction				
<b>Cloud cover: Partially</b>		would be easterly to northeasterly and easterly with the				
Wind speed: 2-3 km/	hr	wind speed of 2-4 km per hour. Partially clear sky will				
Rainfall: 03.0 mm		prevail during the next five days.				
				rainfall: 19.0 1		
NDVI for Mizoram		24 fa		condition oc	curs in all	
			districts of	Mizoram.		
		- Diger	-			
		Q.	} ===			
		<b>v</b> •••				
		region				
		6 5	2		1.1.D	
			6		1   Page	

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



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND I Maize	Sowing stage	Francing a	<b>4</b> Remove all weed plant from the
(Jhum)	Sound ougo	SAIHA	<ul> <li>selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> </ul>
		P N N	<b>2</b>   <b>D</b> o o o
			3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice ( <i>Jhum</i> ) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be</li> </ul>
		1121	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidi
5	23	<ul> <li>Low temperature and high human influence the population of onion trips</li> <li>Apply any systemic insecticide 1 ml/lt of water.</li> </ul>
Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> </ul>
	5-54	<ul> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will ma in dry weather. Apply any systemate</li> </ul>
	1	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Vegetative to flowering stage		According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.
	NJ 1	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenor fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage       Image: Constraint of the stage         Fruiting to flowering stage       Image: Constraint of the stage         Vegetative to flowering stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage       Image: Constraint of the stage         Image: Constraint of the stage



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Jungo		4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	1	4 Discard all mother tubers from
		$\nabla$	harvested potato tubers.
		KOLASIB	Keep 7 -10 days for drying or reduce
	( )	(	the moisture level in shed dry.
	)	60 J	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		<ul> <li>Plough the field properly, at least 2-3</li> </ul>
compea	Sowing Stage		times.
	1		Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAMIT	1	Sow 2-3 seed per whole.
	2 marshi 2		Spacing should be 30 X 20 cm.
Okra	Sowing stage	C ATZAWAL	<ul> <li>Plough the field with the help of spade.</li> </ul>
Ohiu	Sowing Stage		Sow 2 seed 45 X 45 cm spacing.
		6	<ul> <li>Before sowing seed provide one or two</li> </ul>
	S	1 66	irrigation.
		V	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY		
Pig	All stages	SERCHN	4 Animals must keep in dry place or
8		Sercini	kept in alleviated area and dry bedding
		Mr. Long	(straw) to be provided to young
			animals.
	1		4 1 st injection at 6 months of age and
	- C		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3	and the state of the	vet supervision against FMD.
		1000	<b>4</b> Reduce concentrate diet up to 5%.
	5	n 7~	Provide adequate potable water.
		11	<b>4</b> In present weather conditions
		Char See V	vaccinate against swine fever (Vaccines
		2 1 5 5 5	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			1 m
		5 1 1	61Do o o
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

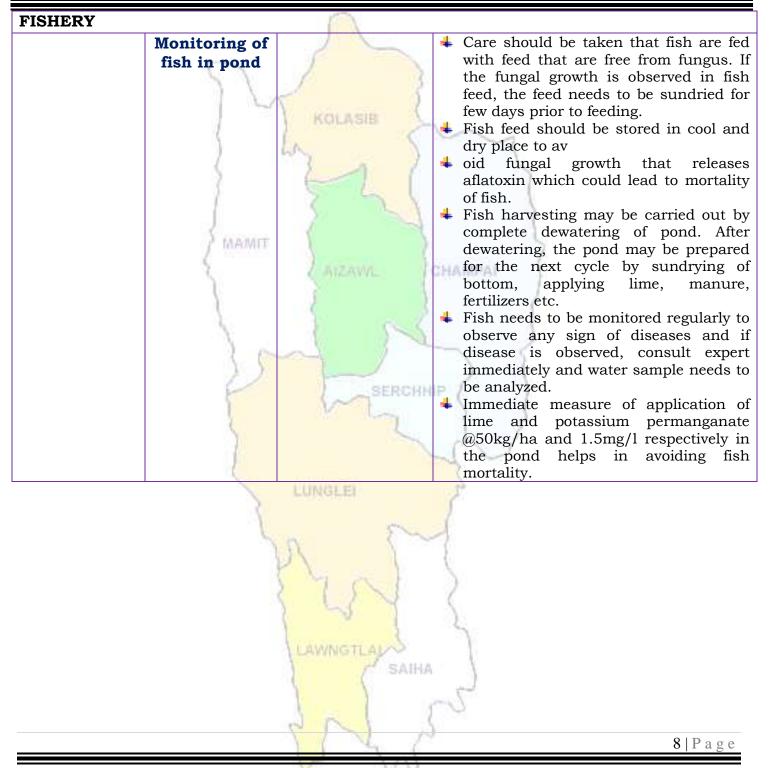


Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 3	wounds followed by application of
		5 )	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0.00	feed
	)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	2 march 11	A second A	Separate sick animals.
	1	( AIZAWL )	<b>4</b> The animal should be washed with
		1 N	lukewarm water added with little
	S	5.	potash (KMnO4) or neem leaves.
	1	1 1	Long hair near the
	0 6	~ Y / ~	udder/stomach/back legs should be
	100		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
		ward and a second secon	drugs to poultry.
			Proper ventilation of shed.
	30		+ Provide glucose/electral along with
	08		vitamin supplements (@5- 6ml/100
	14	Marchard How	birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		+ Provide broad-spectrum antihelminthic
		5	drugs under vet supervision and
		n ()~~	recommended doses.
			• Vaccination as per the schedule with proper consultation with vet.
		M T Col	> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		Lange and the second second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks. Chicken embryo adopted
		/ SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
	1	001	
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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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	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	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	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:**

#### 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 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

9 | 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

Bulletin	<b>No:</b> -	779	/2018/	Bulletin	/Mizo
					10

Period: 28 March - 01 April, 2018

### Date of issue: 27th March, 2018

2.1	$\sim 10$	1.4				
Parameters 28.03.2	018 29.03.20	18 30.03.2018		01.04.2018		
Rainfall (mm) 0	0	4	10	5		
<b>Max Temp (°C)</b> 31	31	31	31	31		
<b>Min Temp (°C)</b> 17	17	17	18	18		
Cloud Coverage Partially	clear Partially c	lear Partially clear	Mainly cloudy	Partially clear		
<b>Max RH (%)</b> 81	81	78	85	74		
<b>Min RH (%)</b> 25	26	35	43	37		
Wind Speed (KmpH) 4	2	2	3	3		
*Wind Direction E	E	N-E	E	E		
Northerly- N, No	rth-Easterly- N-H	C, Easterly- E, Sout	th-Easterly- <mark>S-E</mark> ,			
Southerly- S, Sou	th-Westerly- S-V	V, Westerly-W, Nor	th-westerly- N-W.			
Status of Post Monsoon- Febr	uary 1-28, 2018 (	Percent of deviation	from normal in po	arenthesis)		
Aizawl- 5.40mm Cha	mphai- 3.60mm	Saiha- 0.00 1	nm Kolasi	b- 7.60mm		
(20.78mm)	(13.99mm)	(18.29	9mm)	(33.14mm)		
Lawngtlai-4.00mm Lu	nglei-4.30mm	Mamit-8.10r	nm Serchh	ip-4.10mm		
(19.52mm)	(23.30mm)	(17.83	smm)	(14.39mm)		
Weather summary of the pa	st 28 th Marc	h – 01 st April, 2	2018 chhunga	a sik leh sa		
three days			ur tlangpui			
Maximum Tem. (°C):23-28°C		hhung lo awm tu				
Minimum Tem. (°C):14-16°C		tura beisei a ni. Khua a lum lai berin 31°C a ni ang a. A				
Maximum RH (%):75-88%		vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai				
Minimum RH (%):49-56%	berin 78-81	berin 78-81% leh a hniam lai berin 25-43% ni tur a rin				
Wind Direction: Southeasterly	niin. Thli hi	i darkar khatah 2	-4 km vela chal	kin chhaklam		
Cloud cover: Partially clear	awi zawngin	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
Wind speed: 2-3 km/hr		hian khawthiang tak hmuh beisei a ni.				
		mang tan minan o				
Rainfall: 03.0 mm	T	eekly cumulativ	rainfall 19 0	mm		
		eenig cumululio	e rungun. 19.01	11111		
	North East Region	Mildlar de	1•.•	• • • •		
NDVI for Mizoram	14	winary a	y condition o	ccurs in all		
	~ 33	districts o	f Mizoram.			
	- All	1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	6G					
	W Betrafters states in moderate source	and of the parts liants				
	a contract of the second					
	aller -					

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



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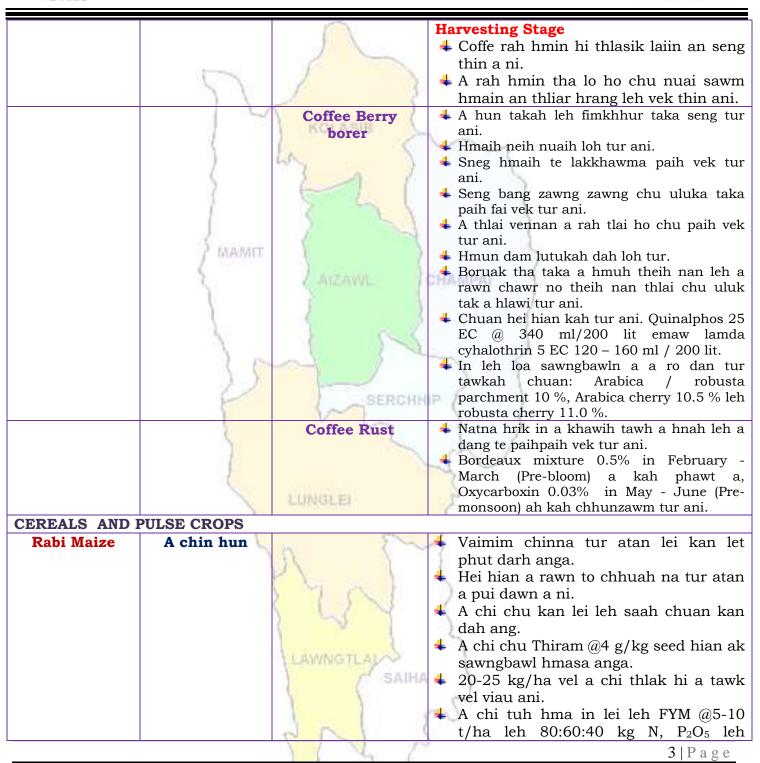


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS		I	l				
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur				
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul				
AND ACID		I NULMOID 2	velah dahkhawm tur ani.				
LIME	)	La N	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	2	AIZAWE 1	leh a rah than that nan te leh a rah				
PLOM AND PEACH			keh tur lakah t a veng thei ani.				
PEACH		0	Towns and the local bate is the backward of the				
		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				
	60	greening and Dieback	a trangah te hnawih tur ani.				
		Fruit fly	<ul> <li>Huan zau takah chuan a par tan tirh leh a</li> </ul>				
		FILLE ILYERCHN	rah tan tirin chawlhkar hnih chhung chu				
	1	V La	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.				
			<b>4</b> Nitin tui pek tur ani a, a sat lutuka loh				
		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.				
		11 L	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>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah tur ani.</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow	ADDATE	"FL	<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 C	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	Nursery stage	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	MAINIT	AIZAWL	<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	1 (10)(2) (2)	<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 1 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>
	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.
		en s	<b>6</b>   P a g e



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	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 an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga :
	measures	En S	1-6 ah F1 vaccine pek tur ani a, chua
	1	~~ ~ )	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
		445 1	B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium
	MAMIT	4 1541 777 1	coccidiostat
	2. 0000000	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	1	( AIZAWIL )	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>tur an a, ninuar atang a tur to nisea, thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a ci buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him et tih enfiah fo a tha a, natna hmuh and chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha let tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
		PN 2	
		1 4 6	7   P a g e

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



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### **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 | Page



**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: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

### Date of issue: 27th March, 2018

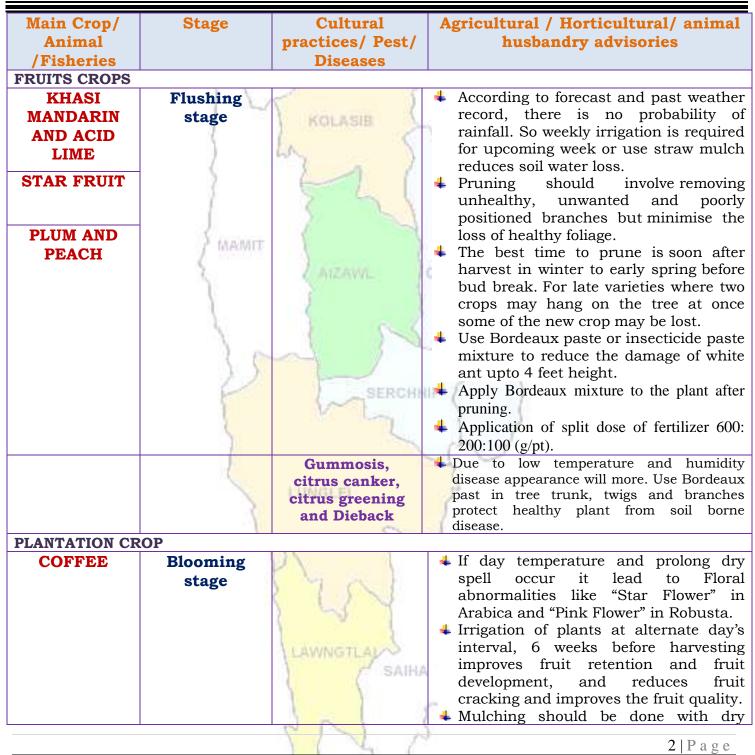
		- 14 C	4.5			
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	4	10	5	
Max Temp (°C)	30	30	31	31	31	
Min Temp (°C)	16	16	16	16	17	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	84	85	80	99	84	
Min RH (%)	26	25	24	27	23	
Wind Speed (KmpH)	3	2	2	2	2	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon	soon- February	7 1-28, 2018 (Perce			renthesis)	
Aizawl- 5.40mm	Champh	lai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>- 7.60mm</b>	
(20.78mm)		(13.99mm)	(18.291		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary of	-	Weather for		m 28 th March,	2018 То	
three days	S		01 st April,	2018.		
Maximum Tem. (°C):2	8-31°C	There are change	ces of moderate	e to light rainfa	ll during the	
Minimum Tem. (°C):2	0-22ºC	next 3 days. The		0	U	
Maximum RH (%):74-		the next 5 days may range for $30-31^{\circ}$ C and $16-17^{\circ}$ C.				
Minimum RH (%):48-0	64%	Maximum relati	<i>v v</i>			
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	99% and minin	2	<b></b>	0	
<b>Cloud cover: Partially</b>		would be south	•			
Wind speed: 2-3 km/	hr	hour. Partially	2		-	
		days.	cical Sky will	prevair during	the next nve	
Rainfall: 06.1 mm		uays.				
				rainfall: 19.0 1		
NDVI for Mizoram		24		condition oc	curs in all	
		AB3 1	districts of	Mizoram.		
			] ***			
		S.	1 cm			
		Agriculture signer is moderate over some of the pa	rts North			
		ingen				
		111	19		1   D a g a	
			£-		1   P a g e	

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



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Rubber       Vegetative stage         Rubber       Vegetative stage         Rubber       Vegetative stage         According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.         Oil plam       Vegetative/ Harvesting stage         Vegetative/ Harvesting       Poil of the plant.         Stage       Poil of the plant.         Vegetative/ Harvesting       Poil of the plant.         Stage       Poil of the plant.         Provide irrigation of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin the plant of split dose of fertilizer 600: 200:100 (g/pt).         Apply Bordeaux mixture to the plant after pruning.         Privits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.         CEREALS AND PULSE CROPS				
Oil plam       Vegetative/ Harvesting stage       •       •       Farmers can go for tapping upto last week of January.         •       Make fire line around the field to save from fire.       •       Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.         •       Provide irrigation 10-15 days internal.         •       Provide irrigation of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.         •       Application of split dose of fertilizer 600: 200:100 (g/pt).         •       Apply Bordeaux mixture to the plant after pruning.         •       Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.         CEREALS AND PULSE CROPS       •         Maize (Jhum)       Sowing stage		7	KOLASIB	<ul> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Harvesting stage       * Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.         * Application of split dose of fertilizer 600: 200:100 (g/pt).         * Apply Bordeaux mixture to the plant after pruning.         * Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jhum)       Sowing stage         * Remove all weed plant from the selected place.         * Keep the plant, leaves and wood for dry.	Rubber	stage	AIZAWA	<ul> <li>record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Maize (Jhum)       Sowing stage       Remove all weed plant from the selected place.         Keep the plant, leaves and wood for dry.		Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum</li> </ul>
(Jhum) selected place. Keep the plant, leaves and wood for dry.			Franka tradie	Remove all weed plant from the
3   Page		Sowing stage	SAIHA	selected place. Keep the plant, leaves and wood for
			6022	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be</li> </ul>
		RIV A	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		A	<ul> <li>applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidity</li> </ul>
	5	23	<ul> <li>Low temperature and high humany influence the population of onion trips</li> <li>Apply any systemic insecticide 1.5 ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide to reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next rabi- season.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		SAIHA	In large gardens apply carbaryl 0.2 per cen or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l a fortnightly intervals at flowering and frui initiation.
		PN X	5   P a g e



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ICAR			
Potato	Harvesting		4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	1 2	4 Discard all mother tubers from
	1	5	harvested potato tubers.
		KOLASIB	↓ Keep 7 -10 days for drying or reduce
	6	(	the moisture level in shed dry.
	)	way 3	♣ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		↓ Plough the field properly, at least 2-3
compea	Sowing Stage	Contraction of the second	times.
	1		Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAMIT		Sow 2-3 seed per whole.
	0.0000000		Spacing should be 30 X 20 cm.
Okra	Sowing stage	C ATZAWAL	<ul> <li>Plough the field with the help of spade.</li> </ul>
Omu	Sowing Stuge		Sow 2 seed 45 X 45 cm spacing.
		6	<ul> <li>Before sowing seed provide one or two</li> </ul>
		1 56	irrigation.
		V	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY		
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
		1 Section	kept in alleviated area and dry bedding
			(straw) to be provided to young
			animals.
			4 1 st injection at 6 months of age and
	1		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3	and the state of the	vet supervision against FMD.
		1000	<b>4</b> Reduce concentrate diet up to 5%.
	5	n 7~	Provide adequate potable water.
		11	🖊 In present weather conditions
		Char See V	vaccinate against swine fever (Vaccines
		2 1 5 5 5	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			Con Con
		2 2 1	
		V V V	<b>6</b>   P a g e
		-	Ullage

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



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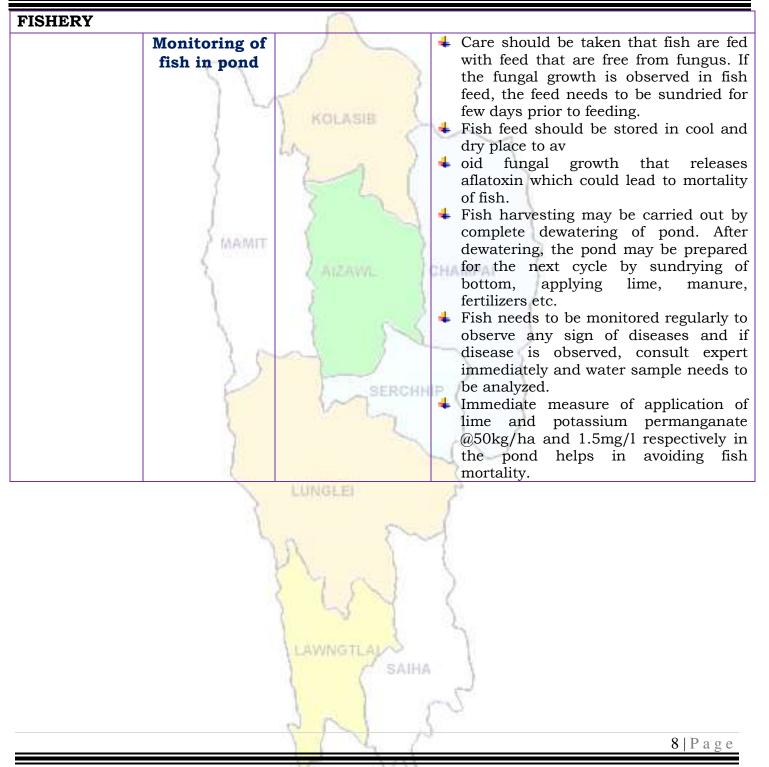


Cattle	All age group	0	4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	<ul> <li>Provide UMB/Molases if possible in the</li> </ul>
	( )	(	feed
	)	60 J	Provide 10-30 ml of vitamin B-Complex
	5	1 1	in feed
	6	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	6		injection after 6 months of 1 st injection
			followed by annual vaccination under
	AMAMIT		vet supervision.
	1 menunity	S	<ul> <li>Separate sick animals.</li> </ul>
	3	ZAIZAWAL I	<ul> <li>The animal should be washed with</li> </ul>
			lukewarm water added with little
		2 2	( )
	36	3 al	potash (KMnO4) or neem leaves. Long hair near the
	· / · ·		
	20		udder/stomach/back legs should be teamed short.
Devilter			
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial drugs to poultry.
	1	V~I_	drugs to poultry.
	5		Proper ventilation of shed.
			Provide glucose/electral along with vitamin supplements (@5- 6ml/100
	and the second	MIR ASSESS	birds) with adequate potable water Avoid overcrowding.
		LUNGLEI	<ul> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic</li> </ul>
	5		drugs under vet supervision and
	6	5	recommended doses.
		10	Vaccination as per the schedule with
			proper consultation with vet.
		M TOL	> Day old chick: HVT Marek disease
			5
		1 20 1	vaccine, 4-7 days:
			days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		- SAIHA	weeks: Chicken embryo adopted
		1 1	fowl pox vaccine and 56-70 days: RD R-2B strain.
			AD R-2B strain. 4 Remove wet litter.
		NR	
		VIV A	7   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. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
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:**

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

Guwahati)



### **District: Mamit**

Bulletin No: - 779/2018/ Bulletin/Mizo	Bulletin No: - 779/2018/ Bulle	etin/Mizo
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Period: 28 March - 01 April, 2018

### Date of issue: 27th March, 2018

		- 14 C	1.1		
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Max RH (%)	84	85	80	99	84
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*Wind Direction	S-E	S-E	S-E	S-E	S-E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.	
Status of Post Mon	soon- February	1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>o-</b> 7.60mm
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)
Lawngtlai-4.00mm	Lungle	<b>i-4.30mm</b>	Mamit-8.10m	m Serchh	ip-4.10mm
(19.52mm)		(23.30mm)	(17.83n	nm)	(14.39mm)
Weather summary o	of the past	28 th March –	01 st April, 20	018 chhunga	sik leh sa
three days	s		dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):74-9 Minimum RH (%):48-0 Wind Direction: South Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 06.1 mm	0-22°C 91% 64% heasterly v clear		Khua a lum lai 16-17°C ni tu ch a hniam lai kar khatah 2 ku rin a ni. A tla g tak hmuh bei <b>y cumulative</b> Mildly dry	berin 30-31°C ara beisei a ni berin 23-27% m vela chakin c ngpuiin tun ni sei a ni. <b>rainfall: 19.0r</b> condition oc	a ni ang a. A . RH san lai ni tur a rin hhaklam awi nga chhung <b>nm</b>
			districts of	Mizoram.	1   P a g e

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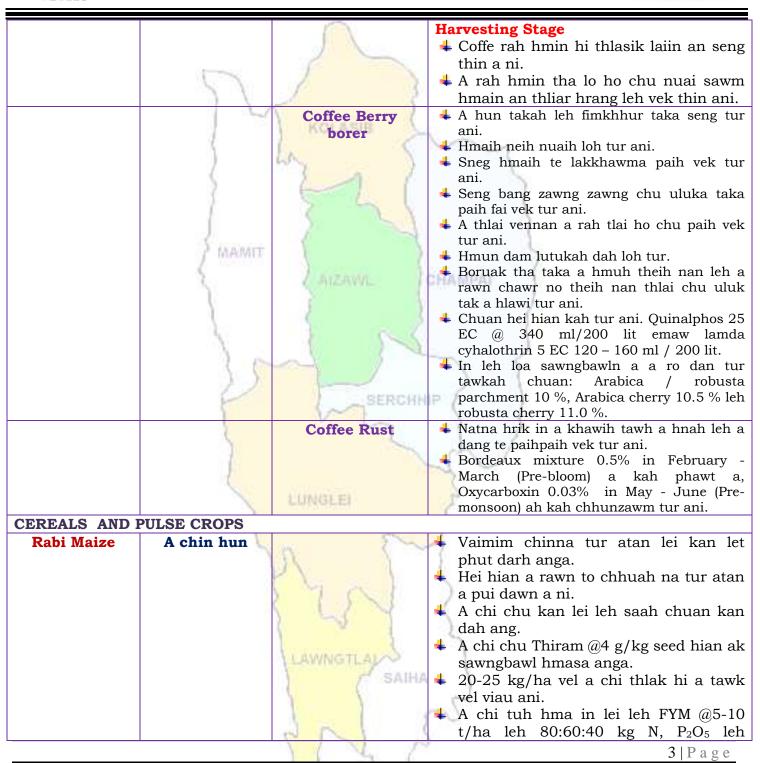


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 HOLMOID >	velah 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.
PLACH	l		Transmenterer huiser heterlalah husererererere
		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		<ul> <li>Huan zau takah chuan a par tan tirh leh a</li> </ul>
	-	Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu
	1	V La	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			
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.
		1 16	A chi hi December – January ah hmun
		( Secol	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	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.
		2810	and an out of thirday for third all.
		V V A	2   P a g e
		-	2   1 age



### **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	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>
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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)



Onion and capsicumNursery stagePoly houseHai han alam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawm khawm hi tui pek zawhah dah tur ani.Thlai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha He ani.Phytopthora blightPhytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron) / kg seed hi a tha hle ani.French bean radishSowing stageTui pek a huihnah hringa khuh tur ani a. 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.Manual thi and the ani tur ani.Tui pek a huihnah hringa khuh tur ani a. 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.Manual thi radishSowing stageA than a that theih nan nikhat danah tui pek hin tur ani.Manual tur ani tur ani.A than a that theih nan nikhat danah tur ani.Manual tur ani tur ani.A than a that theih nan nikhat danah tui pek thin tur ani.Thi hi hi ana an chi ah chuan sik leh sa vangin a hnah ah thi dun a rawn awm thina, hei hi natna tlanglawn ber ani.Thia inna lam chi leh zikhlum lam chi reng reng enkawl nani chi reng reng enkawl nani chi reng re				
capsicumtui per thin tur ani.capsicumtui per thin tur ani.tui per thin tur ani.tui per thin tur ani.Thia bulk yawn hawn hi tui per transmissiontui per thin tur ani.Phytopthora blightPhytopthora blighttui per thin tur ani.French beanSowing stageA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g* metalasyl 4g (Apron)/ kg seed hi a tha he ani.French beanSowing stageA chi ven that nan tur per thin tur ani.Carrot and radishSowing stageA than duna thein nan tui per thin to loh na tur in a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stageA than a that thein nan nikhat danah tui per thin tur ani.A than a that thein nan nikhat danah tui per thin tur ani.A than a that thein nan nikhat danah tui per thin tur ani.A than a that thein nan nikhat danah tui per thin tur ani.A than a that thein nan nikhat danah tui per thin tur ani.A than a that thein nan nikhat danah tui per thin tur ani.Tui per thin ah hila bul vawn hawn na tur siam tur ani.A than a that thein nan nikhat danah tui per thin tur ani.Tui per thin ah hila bul vawn hawn na tur siam tur ani.A than a that thein nan tur ani.Tui per thin ah ah thil dum a rawn awm thina, hei hi natna tanglawn ber ani.A than a that thein na leh hin tui ter 1 pawlha kah tur ani.Tui per thin ah ah thil dum a rawn awm thina, hei hi natna tanglawn ber ani.	0	5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Tui pek a lnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin a that theih nan nikhat danah tui pek hin a that theih nan nikhat danah tui pek hina thi duna thi duna thi 			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</li> </ul>
Carrot and radishSowing stage4A than a that theih nan tui pek hma in lei rin pan hmasak tur ani. 4Carrot and radishSowing stage4A than a that theih nan nikhat danah tui pek thin tur ani. 4Carrot and radishSowing stage4A than a that theih nan nikhat danah tui pek thin tur ani. 4Carrot and radishSowing stage4A than a that theih nan nikhat danah tui pek thin tur ani. 4Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. 47Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. 4Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		S		<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</li> </ul>
radish       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.	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>
			N N N	Q ¹

5 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBENDARY				
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 enfiahrenga, 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 hleani.</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 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>	
Poultry	Litter management	LAWNGTLAK	<ul> <li>Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tu lak atang a venna tha ber ani.</li> </ul>	
	1	PAN 1		



### ICAR RESEARCH COMPLEX FOR NEH REGION

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



	Preventive measures	0-3 rd week	<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> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> </ul>
		5 5	B complex with antibodies
		4 th weeks	<b>4 Coccidiosis</b> - Amprolium or
	Summer		coccidiostat
L	/ MADVIT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	3	AIZAWIL	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>
		S SAIHA	-5'
			7   Page

7 | Page



### **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:**

**Collaborating Department:** 

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

### Concentrate.

#### 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: Saiha**

Bulletin No: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

### Date of issue: 27th March, 2018

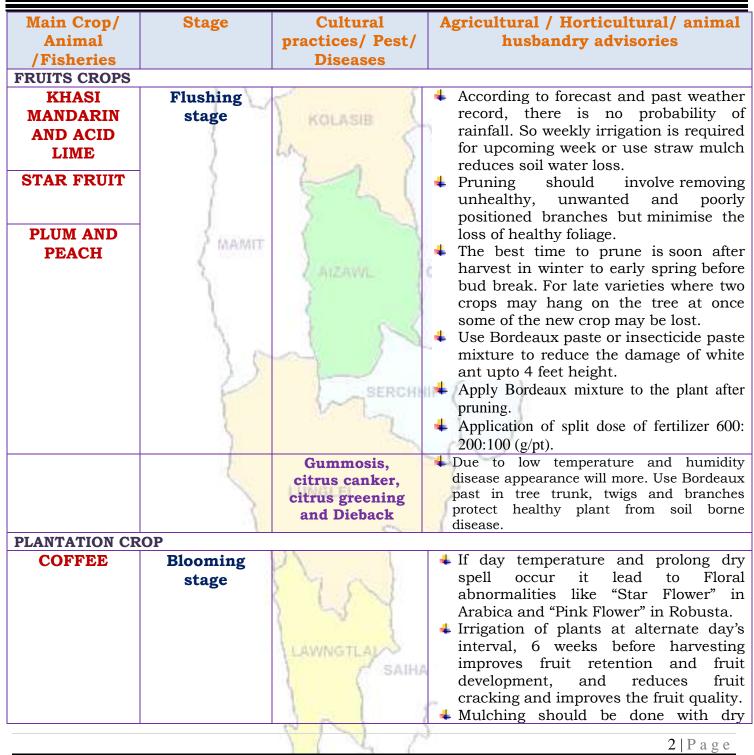
	2.1	P	4			
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	0	10	5	
Max Temp (°C)	31	31	31	31	30	
Min Temp (°C)	16	16	16	16	17	
Cloud Coverage	Partially clear	· Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	93	78	68	95	91	
Min RH (%)	23	26	33	41	40	
Wind Speed (KmpH)	4	4	3	4	4	
*Wind Direction	E	E	E	E	N-E	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon						
Aizawl- 5.40mm	-	lai- 3.60mm	Saiha- 0.00 m		<b>-</b> 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 28 th March, 2018 To				
three day		01 st April, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1		next 2 days. The maximum and minimum temperatures for				
Maximum RH (%):74-		the next 5 days may range for 30-31°C and 16-17°C.				
Minimum RH (%):51-		Maximum relative humidity is expected in the range of 68-				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	95% and minimum may from 23-41%. Wind direction				
Cloud cover: Partially		would be easterly to northeasterly with the wind speed of				
Wind speed: 2-3 km/	hr	3-4 km per hour. Partially clear sky will prevail during the				
		next five days.				
Rainfall: 03.5 mm		next nvc days.				
		Weekl	u oumulativo	rainfall: 15.0 i	mm	
NDVI for Mizoram				condition oc	curs in all	
		33	districts of	Mizoram.		
		Frank I				
		ACT I	1			
			1			
		Agriculture signer is moderate over some of the per-	s North			
		N N	1.5			
		VIL	12		1   Page	
			1			

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



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Vegetative stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND I Maize	Sowing stage	Francing a	<b>4</b> Remove all weed plant from the
(Jhum)	Sound ougo	SAIHA	<ul> <li>selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> </ul>
		P N N	<b>2</b>   <b>D</b> o o o
			3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice ( <i>Jhum</i> ) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be</li> </ul>
		1121	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	applied 30-40 days after transplantin Provide irrigation if water is require. Low temperature and high humidi
52	23	<ul> <li>Low temperature and high human influence the population of onion trips</li> <li>Apply any systemic insecticide 1 m1/lt of water.</li> </ul>
Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be dor regularly to keep the crop free fro weeds and aeration of the root system</li> <li>Harvest all mature fruits.</li> </ul>
[	254	<ul> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will ma in dry weather. Apply any systemate</li> </ul>
}	1	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Vegetative to flowering stage		According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.
	124	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenor fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspensi- containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and fru- initiation.
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage       Image: Stage         Fruiting to flowering stage       Image: Stage         Vegetative to flowering stage       Image: Stage         Image: Stage       Image: Stage         Fruit fly       Image: Stage



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Jungo		4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	1	4 Discard all mother tubers from
		$\nabla$	harvested potato tubers.
		KOLASIB	Keep 7 -10 days for drying or reduce
	6	(	the moisture level in shed dry.
	)	way 3	♣ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		Plough the field properly, at least 2-3
compea	Sowing Stuge	Construction of the second	times.
	1	C	<b>4</b> Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAMIT		Sow 2-3 seed per whole.
	C 002550 23	100000	↓ Spacing should be 30 X 20 cm.
Okra	Sowing stage	CONFRANCE.	Plough the field with the help of spade.
		1	Sow 2 seed 45 X 45 cm spacing.
		5	<b>4</b> Before sowing seed provide one or two
	1	1 1	irrigation.
	0.0		↓ Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY		
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
		1 A BERGHA	kept in alleviated area and dry bedding
	2	in the second	(straw) to be provided to young
			animals.
			4 1 st injection at 6 months of age and
			2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3	Contraction of the second	vet supervision against FMD.
		0.00	<b>H</b> Reduce concentrate diet up to 5%.
	5	m (~~	Provide adequate potable water.
			🖊 🖊 In present weather conditions
		Mi se l	vaccinate against swine fever (Vaccines
		2 1 5 5 1	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			lon long
		2 AL	0.075
		V V A	<b>6</b>   P a g e
		-	Uliage



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

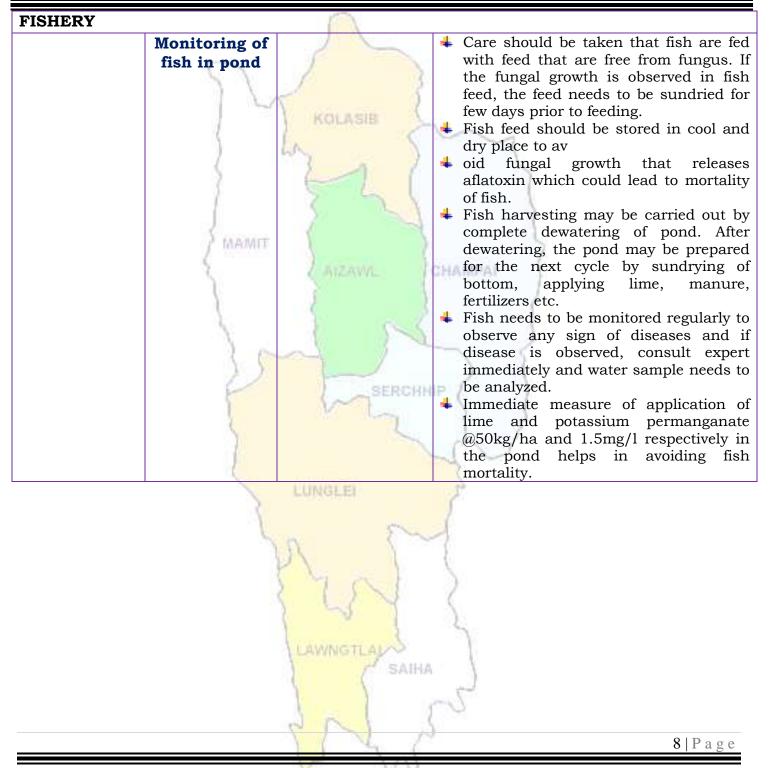


Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 3	wounds followed by application of
		5 )	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0.00	feed
	)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	2 march 11	A second A	Separate sick animals.
	1	( AIZAWL )	<b>4</b> The animal should be washed with
		5 V	lukewarm water added with little
	S	5.	potash (KMnO4) or neem leaves.
	1	1 1	Long hair near the
	0 6	~ Y / ~	udder/stomach/back legs should be
	100		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
		ward and a second secon	drugs to poultry.
			Proper ventilation of shed.
	30		+ Provide glucose/electral along with
	08		vitamin supplements (@5- 6ml/100
	14	Marchard How	birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		+ Provide broad-spectrum antihelminthic
		5	drugs under vet supervision and
		n ()~~	recommended doses.
			• Vaccination as per the schedule with proper consultation with vet.
		M T Col	> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		Lange and the second second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks. Chicken embryo adopted
		/ SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
	1	001	
			7   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. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.com	
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	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	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:**

#### 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 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

9 | 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,





#### **District: Saiha**

λ.

### Period: 28 March - 01 April, 2018

#### Date of issue: 27th March, 2018

Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018		
Rainfall (mm)	0	0	0	10	5		
Max Temp (°C)	31	31	31	31	30		
Min Temp (°C)	16	16	16	16	17		
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	93	78	68	95	91		
Min RH (%)	23	26	33	41	40		
Wind Speed (KmpH)	4	4	3	4	4		
*Wind Direction	E	E	E	E	N-E		
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , W	/esterly-W, Nort	h-westerly- N-W	•		
Status of Post Mon	soon- February	7 1-28, 2018 (Perc	ent of deviation	from normal in p	arenthesis)		
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	im Kolasi	i <mark>b-</mark> 7.60mm		
(20.78mm)		(13.99mm)	(18.29	mm)	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchl	nip-4.10mm		
(19.52mm)		(23.30mm)	(17.83)	mm)	(14.39mm)		
Weather summary	of the past	28 th March -	- 01 st April, 2	018 chhung	a sik leh sa		
three day	s		dinhmun tu				
Maximum Tem. (°C):2	22-26°C	Tun ni 9 chhi			ui tla miabla		
Minimum Tem. (°C):1		Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A					
Maximum RH (%):74-		<b>U</b>					
Minimum RH (%):51-		vawh lai ber in 16-17°C ni tura beisei a ni. RH san lai berin of 68-95% leh a hniam lai berin 23-41% ni tur a rin					
Wind Direction: Sout							
Cloud cover: Partially		niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam					
Wind speed: 2-3 km/		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
		hian khawthiar	ng tak hmuh be	isei a ni.			
Rainfall: 03.5 mm							
		Week	cly cumulative	rainfall: 15.0	mm		
NDVI for Mizoram		North East Region 24	Mildly dr	y condition o	ccurs in all		
		~ ==	districts of				
		E A					
		COA I					
		-A ==	ters -				
		Regitations region is moderate over some of the region.	parts North				
		8151	2		110		
			10 m		1   Page		

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



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

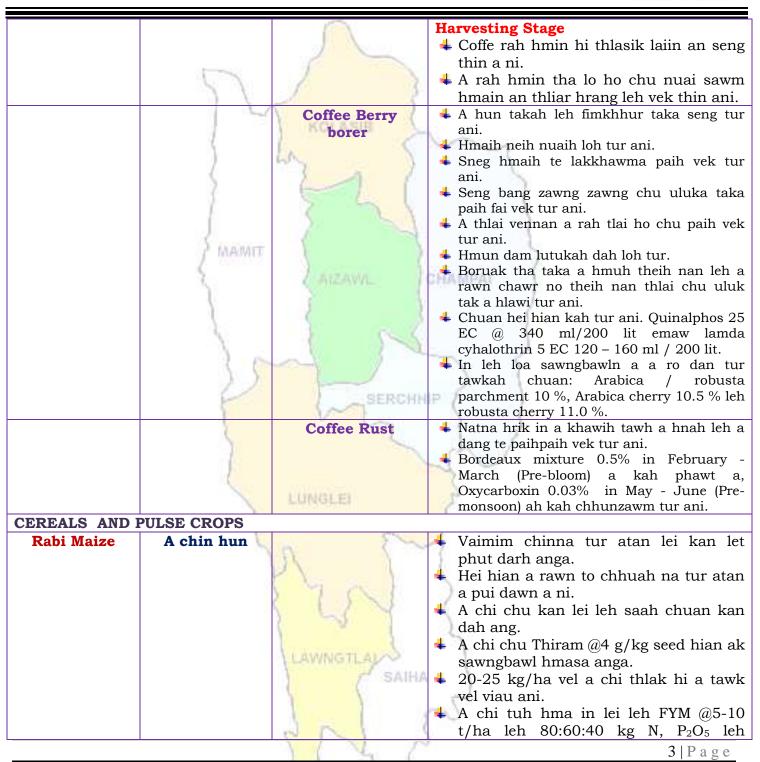


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID 2	velah 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 1	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	f interiority	5 (	taka pek hian a rah tla tur chelh nan
	3.0	Z ATZAWIL /	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH			
	100	Gummosis, citrus	<b>4</b> Temperture hniam lutuk leh hnawng vang
	1 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
	3	V La	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			
COFFEE	All stages	and the second s	Nursery stage
		1990 C	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5 N	n 8~	Phosphobacterium a enkawl tur ani.
		1	♣ A chi hi December – January ah hmun
		Char See V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	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	
			<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** 



	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	AIZAWA	<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	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>
		1 1 1	4   P a g e



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



			awm thin a , hei hi natna tlanglawn
			ber ani.
	1 mm		<b>4</b> Thlai hna lam chi leh zikhlum lam
	1	1	chi reng reng enkawl nan Mancozeb
		2 5	@ 2gm ah tui leter 1 pawlha kah
	1 had	KOLARID (	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum	Huisery stage	LA DIJ HOUSE	tui pek thin tur ani.
Caporoum	(	1 1 1	4 Thlai bul vawn hnawn nana thlai bula
	1		hnim ring vawm khawm hi tui pek
	1	5 21	zawhah dah tur ani.
			🔸 Thlai chhina hmun (nursery) hi hnim a
	MAMIT	1	to loh nan Pendimethalin @ 3.5ml hi
	2 march 1		tui liter 1 zelah pawlh a kah hi a tha
	No.	( AIZAWL )	hle ani.
		Phytopthora	<b>4</b> A chi ven that nan thiram 3g/kg seed
	S	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 55	Hneh taka 1% Bordeaux chawhpawlh
	0 6	~ ~ ~	emaw 2 g captan emaw 3 copper
	15		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma
			in lei rin pan hmasak tur ani.
			na turin a kung bulah lei vur chhoh zel
		1 (19/2) (2)	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	Source stude	1990 C	tui pek thin tur ani.
	5	n 2~	Tui pek hnuah thlai bul vawn hnawn
		10	na tur siam tur ani.
		( Var see )	4 Zikhlum lam chi ah chuan sik leh
		2 1 3 3	📝 sa vangin a hnah ah thil dum a
		1 55 7	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		- SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
L	1	N N N	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



NIMAL HUSBE	ENDARY		
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 enfiahrenga, 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 hleani.</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 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAK	<ul> <li>Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tu lak atang a venna tha ber ani.</li> </ul>
		NN	



### 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 /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>
Preventiv	e 0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga ni
measures	s la	1-6 ah F1 vaccine pek tur ani a, chuan
1	~ ~ 2	a puitlingh chuan R ₂ B vaccine pek tur
2		ani.
		B complex with antibodies
	4 th weeks	<b>4 Coccidiosis</b> - Amprolium or
5 top	MIL A Eth Weeler	coccidiostat
. 1023	4-5th weeks	$\downarrow$ Calcium tonic fortified with B ₁₂
FISHERY	( AIZAWIL	CHAMPAI
Monitoring	5	4 Sangha te hi chaw a hmuar kai lo
(Sangha		chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa
1		a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turii
+		hmun ro leh uan lutuk lo ah dahtha
P	SERCH	tur ani a, hmuar atang a tur lo insean
	V	thin, aflatoxin avang a sangha thi lal
5		atangin sangha a him phah thin.
1		4 Dil sah kang veka sangha man thi
1		hian a kumleh a sangha khawinan a di
	LUNGLEI	buatsaih a ti awlsam a, dil mawn
	2	phoro, chinai phul, leitha hman leh tu
	2	dang in dil buatsaih tur ani.
	70 (~	Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anih
		chuan mithiam te rawn vat a, diltu
	S 7 al	enfiah vat tur ani.
	S LI Y	4 A ranglam a chinai @50kg/ha leł
		tuisen @1.5mg/l diltui a hman hiar
	LAWNGTLANS	sangha natna avang a thi tur lal
	- SAIH	atangin a veng thei.
	201	
	1121	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	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 | Page



**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: - 779/2018/ Bulletin/English

Period: 28 March – 01 April, 2018

#### Date of issue: 27th March, 2018

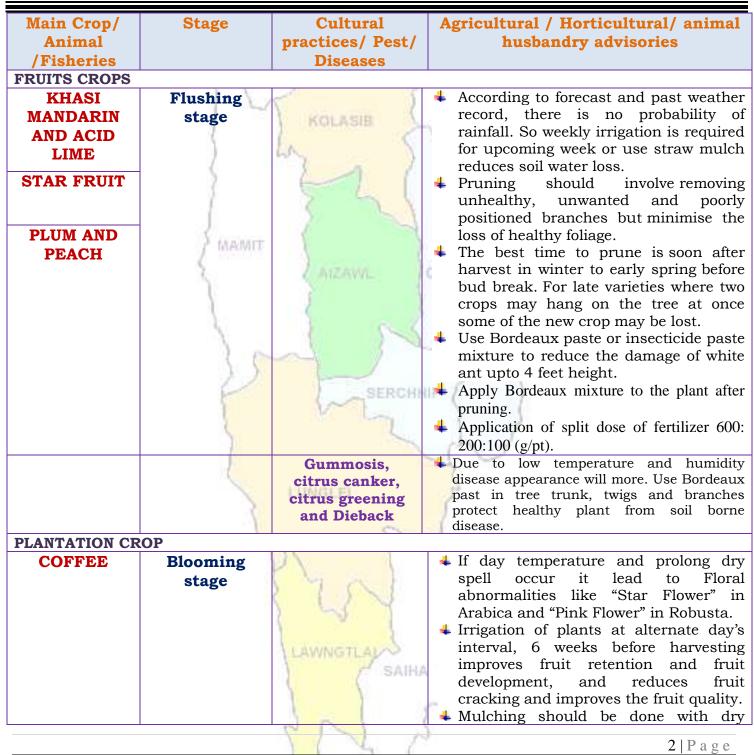
			1			
Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018	
Rainfall (mm)	0	0	0	10	5	
Max Temp (°C)	31	31	31	31	30	
Min Temp (°C)	16	16	16	16	17	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	93	78	68	95	91	
Min RH (%)	23	26	23	41	48	
Wind Speed (KmpH)	4	2	2	2	2	
*Wind Direction	E	E	N	E	E	
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 Post Mon	soon- February	y 1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)	
Aizawl- 5.40mm	Champh	1ai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>- 7.60mm</b>	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	-	Weather for		om 28 th March,	2018 To	
three day	S	01 st April, 2018.				
Maximum Tem. (°C):2	26-29ºC	There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1	5-17°C	next 2 days. The maximum and minimum temperatures for				
Maximum RH (%):68-		the next 5 day	s may range	for 30-31°C a	nd 16-17°C.	
Minimum RH (%):46-		Maximum relative humidity is expected in the range of 68-				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	95% and minimum may from 23-48%. Wind direction				
<b>Cloud cover: Partially</b>		would be easterly to northerly and easterly with the wind				
Wind speed: 2-3 km/	hr	speed of 2-4 km	0 0	0		
		during the next	<b>±</b>	I thany cical SK	y will prevail	
Rainfall: 05.4 mm		during the next l	inc days.			
		TT7 1-1				
				rainfall: 15.0		
NDVI for Mizoram		Pile	5 5	condition oc	curs in all	
			districts of	Mizoram.		
		20				
		S.	1 term			
		Agriculture signer is moderate over some of the per	ta Sarth			
		Non A				
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	KOLASIB	<ul> <li>grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber Vo	egetative stage	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
H	egetative/ arvesting stage	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND PULS		
Maize Sov (Jhum)	wing stage	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> </ul>
	6	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm</li> </ul>
Ginger and turmeric	Sowing stage		<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, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>
		TV C	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		2	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
	5	2 }	<ul> <li>influence the population of onion trips</li> <li>Apply any systemic insecticide 1. ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	Intercultural operations should be don regularly to keep the crop free fror weeds and aeration of the root system.
	]	5-55	<ul> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide t reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss.
	}s		<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will man in dry weather. Apply any systemat</li> </ul>
	7		<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Chilli	Vegetative to flowering stage		According to forecast and past weather record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
		Y27	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		SAIHA	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
		en la	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)



	1		I	
Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		$\nabla$	-	harvested potato tubers.
		KOLASIE	- <b>-</b>	Keep 7 -10 days for drying or reduce
	1	0	0	the moisture level in shed dry.
	)	an I		Keep 25% seed for next season sowing.
<b>A</b>	0	1 1 1	-	-
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		P = -2	+	Mix fertilizer with FYM 50:60:60Kg
	Second Second	1		/ha.
	J' MAMIT	1 1 1	+	Sow 2-3 seed per whole.
	5	1 automan 1	. <del>4</del>	Spacing should be 30 X 20 cm.
Okra	Sowing stage	american i	+	Plough the field with the help of spade.
		1	4	Sow 2 seed 45 X 45 cm spacing.
	A.S.	Sec. 1	4	Before sowing seed provide one or two
		1 1		irrigation.
	1.0		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY			<u> </u>
Pig	All stages	SERCHN		Animals must keep in dry place or
8		1 SERGIN		kept in alleviated area and dry bedding
				(straw) to be provided to young
	S			animals.
	1		4	1 st injection at 6 months of age and
	1		-	2nd injection at 12 months of age
		LUNGLEI		followed by annual vaccination under
	S.	LUNGERI	12	vet supervision against FMD.
	1		4	Reduce concentrate diet up to 5%.
		5	1	Provide adequate potable water.
		D	5	
		A LOW CONTRACTOR OF A LOW CONTRACTOR OF A LOW CONTRACTOR OF A LOW CONTRACTOR OF A LOW CONTRACTOR A LON CONTR		In present weather conditions
			- A.C.	
		( hal	5	vaccinate against swine fever (Vaccines
		E LA	2	available in State Veterinary Departs)
		Porcine		
		Reproductive	ł	available in State Veterinary Departs)
		Reproductive Respiratory	2	available in State Veterinary Departs)
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

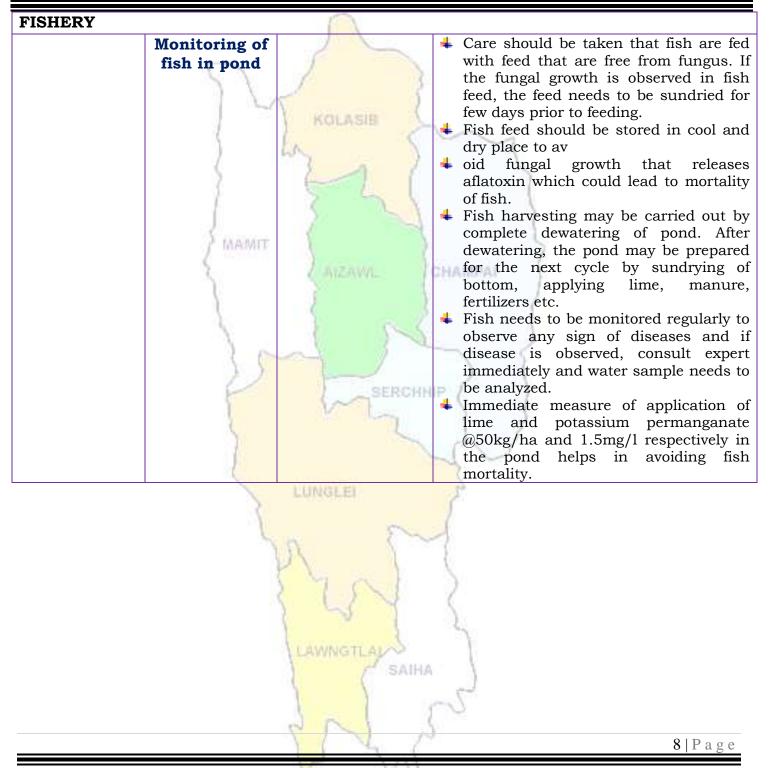


Poultry       All age group         Poultry       All age group         Care should be taken against attack of maggots in the wounds of animal Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.         Provide UMB/Molases if possible in the feed         Provide 10-30 ml of vitamin B-Completin feed         1 stingiction at 6-8 weeks of age, 2n injection after 6 months of 1st injection followed by annual vaccination unde vet supervision.         Separate sick animals.         The animal should be washed with little potash (KMnO4) or neem leaves.         Long       hair         Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water         Avoid overcrowding.         Provide broad-spectrum antihelmintheled doses.         Vaccination as per the schedule wit proper consultation with vet.         > Day old chick: HVT Marek diseas vaccine, 4-7 days: F/Lasota, 14-1	Cattle	All age group		4 In present weather conditions, special
Poultry       All age group         Provide preventive dose of anti-coccidid drugs to poultry.         Proper ventilation of shed.         Provide preventive dose of anti-coccidid drugs upder vet supervision an recommended doses.         Vaccination as per the schedule wit proper consultation with vet.         Powide broad-spectrum antihelminthe drugs under vet supervision an recommended doses.         Vaccination as per the schedule wit proper consultation with vet.         Pay old chick: HVT Marek diseas vaccine, 3: days: F/Lasota, 14-1 d	outtie	IIII ago group		1 / 1
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Poultry       All age group         All Age group       Provide preventive dose of anti-coccidit duer/stomach/back legs should t teamed short.         Provide proventive dose of anti-coccidit duer/stomach/back legs         Provide broad-spectrum antihelminth         drugs under vet supervision an recommended doses.         Provide broad-spectrum antihelminth         drugs under vet supervision an recommended doses.         Provide broad-spectrum antihelminth         drugs: Intermediate plus/B         vaccine, 35 days: F/Lasota, 14-1         days: Intermediate plus/B				
Poultry       All age group         Provide preventive dose of anti-coccidited and the deter state anti-coccidited and the deter anti-coccidited and the deter state anti-coccidited anti-coccid		2.1	1 5	
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RD R-2B strain.				
and the second se				Iowi pox vaccine and 50-70 days:
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			1 2 1	* Remove wet litter.
7   Page				7   D o c o



**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. S.B. Singh	:	Joint Director	$\underline{basantasinghsoibam@rediffmail.com}$
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	1:	Scientist (Agril Entomology)	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	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:**

#### 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 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: - 77	9/2018/	Bulletin/Mizo	
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Period: 28 March – 01 April, 2018

#### Date of issue: 27th March, 2018

Parameters	28.03.2018	29.03.2018	30.03.2018	31.03.2018	01.04.2018
Rainfall (mm)	0	0	0	10	5
Max Temp (°C)	31	31	31	31	30
Min Temp (°C)	16	16	16	16	17
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear
Max RH (%)	93	78	68	95	91
Min RH (%)	23	26	23	41	48
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	E	E	N	E	E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , E	asterly- E, Soutl	n-Easterly- <mark>S-E</mark>	,
			Vesterly-W, North		
Status of Post Mon					
Aizawl- 5.40mm		ai- 3.60mm	Saiha- 0.00 m		sib- 7.60mm
(20.78mm)		(13.99mm)	(18.29)		(33.14mm)
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		hip-4.10mm
(19.52mm)		(23.30mm)	(17.83r		(14.39mm)
Weather summary of	of the past	28 th March -	- 01 st April, 2	018 chhung	a sik leh sa
three days	s		dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):68- Minimum RH (%):46- Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 05.4 mm	5-17°C 88% 59% heasterly v clear hr	Tun ni 2 chhung lo awm turah hian ruahtui tla mi tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang vawh lai ber in 16-17°C ni tura beisei a ni. RH sar berin 68-95% leh a hniam lai berin 23-48% ni tur a niin. Thli hi darkar khatah 2-4 km vela chakin chhal awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chh hian khawthiang tak hmuh beisei a ni. <b>Weekly cumulative rainfall: 15.0mm</b>			
NDVI for Mizoram			Moderately conditions	wet mildly o	lry/mildly wet
		1/ L	1		1   Page



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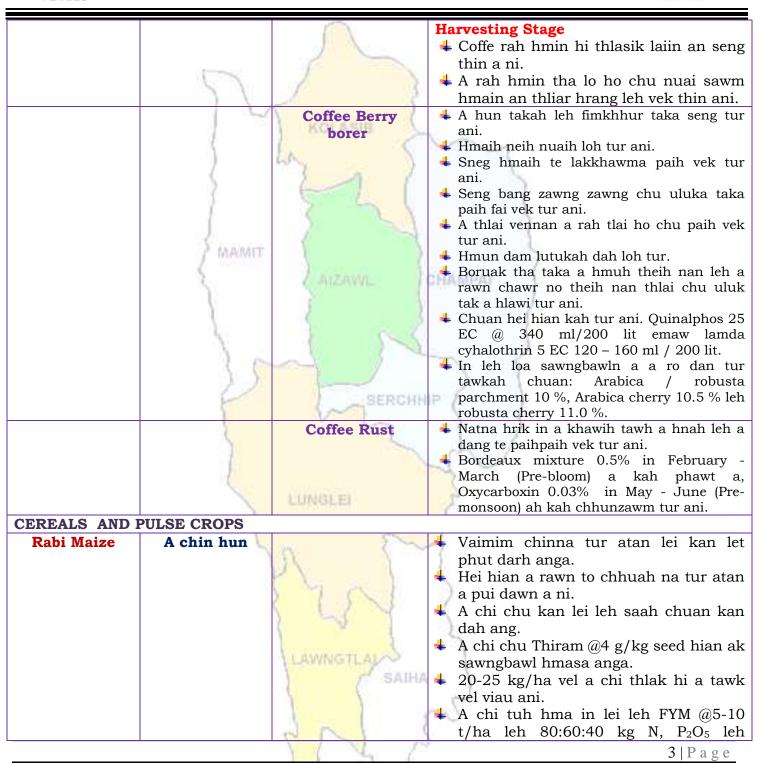


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	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		4 A seng hma kar 6 chhung chu tui tha
	1 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 bian natura a tam duh a Sail hama natura
		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 La	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	1994 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 alar alar
			<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** 



	2	$\bigwedge$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<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 SERCHN	<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 N	4   P a g e



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



Onion and	Numerous	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		<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>
		6 N 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>
	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.
		PN X	<b>6</b>   P a g e



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	5	$\sum$		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	4	Ranikhet Disease- an pian atanga ni
	measures	la S	~~	1-6 ah F1 vaccine pek tur ani a, chuan
	1	~~~ }		a puitlingh chuan R2B vaccine pek tur
	2			ani.
			+	B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	FINEMIT			coccidiostat
	2. 0055000	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	5	( ATZAWIL )	CHP	IMPAL
	Monitoring	5	+	Sangha te hi chaw a hmuar kai lo
	(Sangha	1 6 1		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	2 6			a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin
	1)		-	hmun ro leh uap lutuk lo ah dahtha
		SERCHN	P.	tur ani a, hmuar atang a tur lo insean
	1	No la		thin, aflatoxin avang a sangha thi lal
				atangin sangha a him phah thin.
			4(	Dil sah kang veka sangha man thi
	- E		-	hian a kumleh a sangha khawinan a di
		LUNGLEI		buatsaih a ti awlsam a, dil mawn
	2	Provide States and a second	8	phoro, chinai phul, leitha hman leh tu
				dang in dil buatsaih tur ani.
	5	$n \sim \infty$	+	Sangha te natna lak atangin an him en
			10	tih enfiah fo a tha a, natna hmuh anil
		My Real		chuan mithiam te rawn vat a, diltu
			1	enfiah vat tur ani. A ranglam a chinai @50kg/ha lel
		20 1		tuisen $@1.5mg/1$ diltui a hman hiar
		Surger and	1.1	sangha natna avang a thi tur lal
		LAWNGTLAN		atangin a veng thei.
		SAIHA		
		A a l		5
		8 N 1	)	710
				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	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 | Page