

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Aizawl

Period: 01 November - 05 November, 2017

Bulletin I	No: - '	746/	2017/	Bulletin/	English	
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Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017		
Rainfall (mm)	0	0	5	5	0		
Max Temp (°C)	28	28	27	27	27		
Min Temp (°C)	14	14	13	15	14		
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Partially clear	Mainly clear		
Max RH (%)	100	100	100	100	100		
Min RH (%)	33	35	93	97	84		
Wind Speed (KmpH)	3	3	4	3	0		
*Wind Direction	Е	E	E	E	E		
Northe	rly- N, North-l	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	·		
Souther	ly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
STATUS OF MONS		-31, 2017 (Percent					
Aizawl- 384.87mm	-		<mark>Saiha-</mark> 216.20 n		247.17mm		
(430.2mm)		(301.30mm)	(367.71	· · · · · · · · · · · · · · · · · · ·	(372.0mm)		
Lawngtlai-291.20mm	-		<mark>Mamit</mark> -197.57n	· · · · · · · · · · · · · · · · · · ·	-247.35mm		
(453.1mm)		(371.4mm)	(376.0n	•	(301.8mm)		
Weather summary	of the past	Weather forec		01 st Novembe	r, 2017 To		
three day	S	05th November, 2017.					
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):84-9 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-3 km/2 Rainfall: 45.6 mm	3°C 99% 91% heasterly cloudy	There are chances of light rainfall during the nex The maximum and minimum temperatures for the days may range for 27-28°C and 13-15°C. If relative humidity is expected in the range of 1 minimum may from 33-97%. Wind direction we easterly with the wind speed of 0-4 km per hour clear will prevail during the next five days. Weekly cumulative rainfall: 10.0 mm Moderately wet mildly dry/m					
		Architecture and area					
		1			1 P a g e		



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	5	4 According to forecast and past weather
MANDARIN	fruiting stage	KOLASIE	record, probability of rain will be less
AND ACID		1	and temperature will be high. So
LIME)	LA N	drainage channel shall be block the
	(1 1	channel for maintain field moisture.
BANANA	1		4 Medium to young seedling should be
	6	2 2 1	support by bamboo stake.
			4 Use split dose of fertilizer for normal
STAR FRUIT	AMAMIT		growth and development.
	1 meaning		4 To increase the fruit set, spray 2, 4 – D
PLUM AND	3.0	ATZAWIL /	@ 20 ppm during flowering stage. For
PEACH			fruit retention, spray 2, 4 – D @ 20 ppm
PEACH		6 3	or NAA @ 30 ppm after fruit set (marble
		1 6 6	size).
			4 Due to high humidity, high
	5.0		temperature and less rainfall in hilly
	11		region of the district probability of leaf rust will be high. So apply
		SERCHN	0 115
		Citrus cancar	Hexaconazole @ 1 ml/10 lt of water. Copper- based fungicides Copper Oxy
	S	Citius calical	Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a
	d and a second sec		barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	3	CONSTRUCTION IN THE REPORT OF THE	4 Control minor infections limited to a small
		C	area of the tree by pruning away the
	5	n (~~	affected parts.
	j j		Severely infected trees should be destroyed
		1 A AL	to prevent infecting healthy trees nearby.
		Citrus leafminor	 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		and butteriny	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAUN	stage when 1 st instars predominate which
		- SAIHA	coincides with I Fortnight of July.
Passion Fruit	Harvesting	1 6	4 Slightly purple coloured fruits along
	stage		with a small portion of stem / pedicel
		a a l	should be picked up.
		VIL 1	2 P a g e



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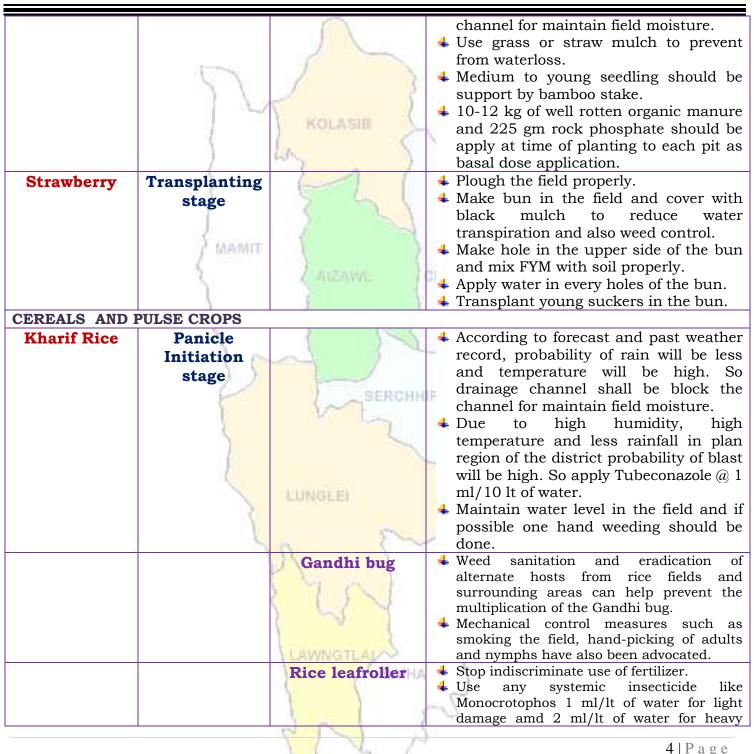


PLANTATION CH		Fruit fly	 The fruits should be marketed quickly to prevent loss in weight and their appearance. The rind becomes wrinkled on drying but the pulp remains in good condition for several days. Collect and burn all infected plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
COFFEE	Fruiting stage	AIZAWL SERCHH LUNGLEI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. Fertilizer dose should be maintained. Fruiting stage 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. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1
Rubber	Vegetative stage	LAWNGTLAUS	 ml/10 lt of water. According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
	1	RIN A	3 P a g e



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		0	damage.
Rabi Maize	Sowing stage	KOLASIB	 Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.
Zero tillage Greengram and blackgram	Sowing	Zero tillage	 Clean all debris from the <i>jhum</i> field. Open the furrow with of dao or dibbler or khurpee. Put recommended fertilizer dose and mix with soil. Place two to three seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.
Zero tillage Soybean cultivation in <i>Jhum</i>	Germination stage	Zero tillage	 Thinning must be done where more population was observed. Apply 2% urea solution for better growth. Weeding and earthing up should be carried out.
Zero tillage Toria	Sowing stage		 Due to availability of soil moisture in field, land preparation should be started for toria after rice harvest. It can be grown better in loamy soils having adequate provision of drainage. Clean all debris from the field. Open the furrow with of dao or dibbler or khurpee. Put recommended fertilizer dose and mix with soil. Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to
			plant distance. Sow certified seeds from a reliable



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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
/EGETABLE CF	ROP		blight (M 27, 10 00 and 10 00).
Ginger and turmeric	Vegetative stage	KOLASIB AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mothe corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole crop	Nursery stage	Land preparation	 Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
			every alternative days.



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	$\sum_{i=1}^{n}$	KOLASIB	 Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage	AIZAWL	 Variable, healthy, well mature and pure seeds should be sown. Optimum spacing for pole type 60 cm X 30 cm. Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.
Capsicum	Nursery stage	Poly house SERCHH	 Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days.
	2		 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage		 Nursery preparation for Brinjal. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
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			every alternative days.
Chilli	Nursery stage		4 Nursery preparation for tomato.
	1000	1	Raised bed, nursery bed
	1 1	1 3	solarisation.
		5	Bed should be 1m width and
		KOLASIB	conventional length.
	1	0	4 Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
)	64 J	↓ Line sowing of seeds (7-10cm)
	S	2 1	+ Irrigation must be provide to nursery
	5	Contraction of the second	every alternative days.
Tomato	Nursery stage	(L)	4 Nursery preparation for tomato.
	2		4 Raised bed, nursery bed solarisation.
	/ MAMIT		+ Bed should be 1m width and
	S.	A AZAWAL	conventional length.
	1	Collecture:	 Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm)
	N N	1	 Fine sowing of seeds (7-10cm) Irrigation must be provide to nursery
	200	No. 1	every alternative days.
	1	Damping off	 Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	11		(Apron)/ kg seed
		SERCHN	
	6	Vila	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBE	ENDARY		
Pig	All stages		4 Animals must keep in dry place or
8			kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3		animals.
		5	↓ 1 st injection at 6 months of age and
	0	1 1	2nd injection at 12 months of age
			followed by annual vaccination under
		125 6 6	vet supervision against FMD.
		1 13 4	 Reduce concentrate diet up to 5%. Brovide adequate patchle water
			 Provide adequate potable water. In present weather conditions
		Linuner and	vaccinate against swine fever (Vaccines
		LAWNGTLAN	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		6 1 1	Q D o g o
		-	8 P a g e



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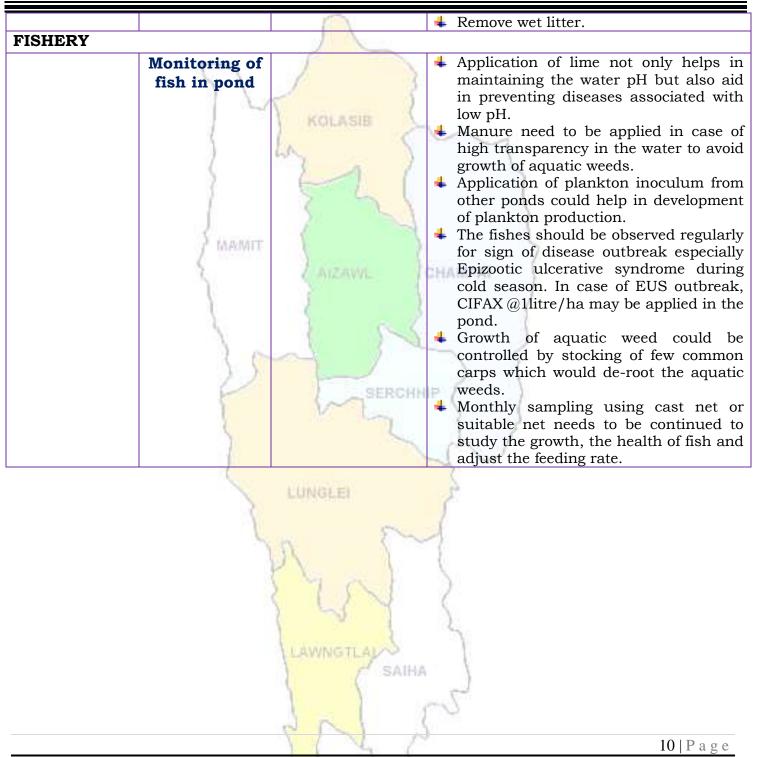


		Syndrome (PRRS).	
Cattle	All age group		↓ In present weather conditions, special
			care should be taken against attack of maggots in the wounds of animals.
	2.1	1 5	Application of turpentine oil in the
	1	5	wounds followed by application of
		KOLASIB	antibiotics for five days is advised.
	1	la S	+ Provide UMB/Molases if possible in the
	1	W ()	feed
	>		Provide 10-30 ml of vitamin B-Complex
	1	5 5	in feed
		2. 54	4 1 st injection at 6-8 weeks of age, 2nd
	Sugar		injection after 6 months of 1 st injection
	J' MAIMIT	5 (followed by annual vaccination under
	30	Z ATZAWIL /	vet supervision.Separate sick animals.
			↓ The animal should be washed with
	<u> </u>	5	lukewarm water added with little
	S	2 6 5	potash (KMnO4) or neem leaves.
) 6	A S N	Long hair near the
	101		udder/stomach/back legs should be
	0	SERCHH	teamed short.
Poultry	All age group	1 million	Provide preventive dose of anti-coccidial
	5		drugs to poultry.
			 Proper ventilation of shed. Provide glucose/electral along with
	1.1		vitamin supplements (@5- 6ml/100
	10	LUNGLEI	birds) with adequate potable water
	5	EMINGERI .	 Avoid overcrowding.
	14	2000 C	Provide broad-spectrum antihelminthic
	5	n ?~~	🚽 drugs under vet supervision and
		1	recommended doses.
		M REAL	4 Vaccination as per the schedule with
			proper consultation with vet.
		20 1	Day old chick: HVT Marek disease vaccine, 4-7 days:- F/Lasota, 14-18
		Lange and the second second	days: Intermediate plus/IBD
		LAWNGTLAN	$v_{accine} = 35 dave; F/Lasota 6-7$
		SAIHA	weeks: Chicken embryo adopted
		1 1	fowl pox vaccine and 56-70 days:
		1 = 1	RD R-2B strain.
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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	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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



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District: Aizawl

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Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017		
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Max RH (%)	100	100	100	100	100		
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Wind Speed (KmpH)	3	3	<u> </u>	3	0		
*Wind Direction	E S	E E	E E	E S	E E		
				_	Ľ		
		Casterly- N-E, Eas					
		Vesterly- S-W, We					
Aizawl- 384.87mm		-31, 2017 (Percent	Saiha- 216.20 n		247.17mm		
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Weather summary	· · · · · · · · · · · · · · · · · · ·	01 st Novembe					
three day	S	sik leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):84-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 2-3 km/1 Rainfall: 45.6 mm	3°C t 99% v 91% l heasterly v cloudy v	Fun ni 2 chhur cura beisei a ni. vawh lai ber in berin 100% leh a Thli hi darkar k zawngin a tleh n hian khawthiang Weekl	Khua a lum lai 13-15°C ni tu a hniam lai ben chatah 0-4 km rin a ni. A tla: g tak hmuh bei y cumulative Moderately conditions	berin 27-28ºC ura beisei a ni rin 33-97% ni t vela chakin c ngpuiin tun ni	a ni ang a. A . RH san lai ur a rin niin. hhaklam awi nga chhung nm		
		Advances and highly are not the upto include in the second	n ner Reneral Sea sea Sea Sea Sea		1 P a g e		



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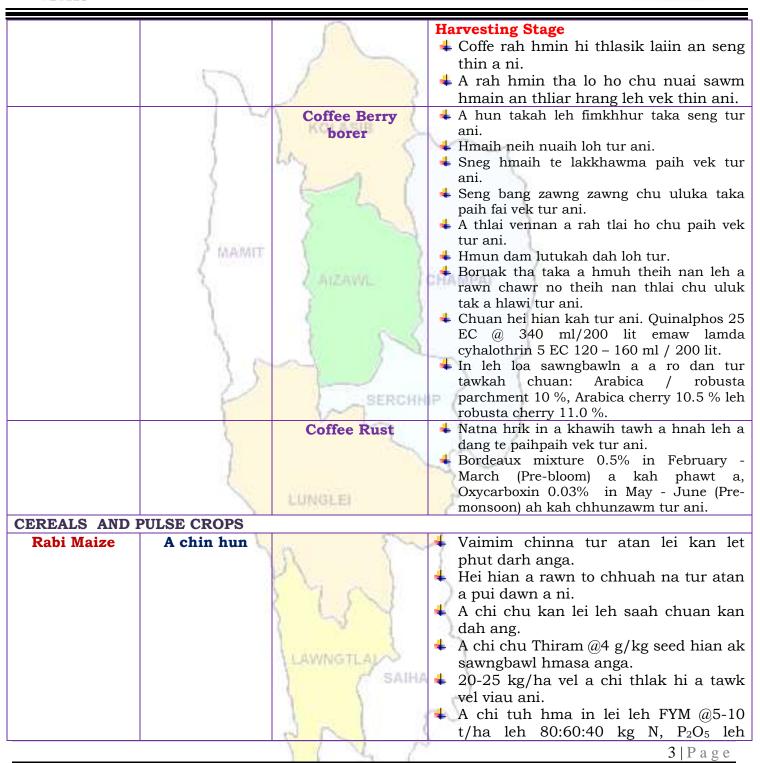


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	velah dahkhawm tur ani.
LIME)	La l	4 Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2	theihna turin a hmunhma a hnim awm
		21	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3	2 ATZAWAL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	M Lang	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	1000 (1000 (1000))	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	5	n 7~	Phosphobacterium a enkawl tur ani.
		1 16	+ A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
		N	buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		((5411)4	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1811	bag ah an sawn chhuak leh thin ani.
		8 N A	210
			2 P a g e



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Souhean nea		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
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that them han highlat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE 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	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
		C N N	4 P a g e



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Onion and		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
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	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



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	5	\sum	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	10	U-3 " Week	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	LA J		a puitlingh chuan R_2B vaccine pek tur
	(1 1		ani.
	3	the second se	4	B complex with antibodies
		4 th weeks	-	
		T. WCCRS	-	Coccidiosis- Amprolium or coccidiostat
	MAMIT	A Fth TTT 1		
	2. 0.25500.5	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	16	(AIZAWIL)	CHA	AMPAI }
	Stocking and	1	4	Dil a chinai hman hian tui thur tur a
	monitoring	5		veng mai nilovin, tuithur avang a natna
	(Sangha	1 155		lo awm thei lak atangin sangha a veng
	chhuah leh			thei.
	enkawl)		+	Dil tui a fim lutuk avanga hnim lo to
	0	SERCHN	(PO)	tur vennan leitha dilah hman thin tur a
		w l		ni. D'i tasi fina latala ila ilana angla
	2		-	Dil tui fim lutuk ah chuan sangha
	20			chaw (plankton) a lo insiam theihnan,
			1	plankton tamna tui dil dang atangin dahluh thin tur ani.
	ale .	March Second	4	Sangha ten natna an kai leh kai loh
		LUNGLEI	0	enfiah reng thin tur ani. Sangha pan a
	3		1	lo awm anih chuan dil tuiah CIFAX @1
		5	1	litre/ha (hectare khat ah litre khat)
		A I	1	pawlh a a enkawl tur ani.
			4	Dil a hnim to tih rem nan common carp
		7 61	3	tlem a zawng chhuah thin ani a,
		1 Li Y		common carp te hian dil hnim zung
		1 4 1	2	atangin a phawi thin ani
		1. marine and	4	Sangha hriselna, a than dan leh a chaw
		LAWNGTLAN		pek zat tur hriatna turin thla tin a
		- SAIHA		sangha man a a rihzawng enfiah zel tur
				ani.
		1 = 1		2
		P N N)	
		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	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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

LAWNGTLA SAIHA

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: Champhai

Period: 01 November - 05 November, 2017

Bulletin	No: -	746/2	2017/	Bulletir	n/English	
			1	1	(C)	

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017			
Rainfall (mm)	0	0	5	10	5			
Max Temp (°C)	28	28	27	27	26			
Min Temp (°C)	14	13	14	11	12			
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Partially clear			
Max RH (%)	90	100	95	99	95			
Min RH (%)	32	31	64	77	81			
Wind Speed (KmpH)	4	3	3	3	2			
*Wind Direction	E	E	E	E	E			
Northe	rly- N, North-l	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,				
		Vesterly- <mark>S-W</mark> , W						
STATUS STATUS OF MO	ONSOON- Augus				arenthesis)			
Aizawl- 384.87mm	-		Saiha- 216.20 n	nm Kolasib-	247.17mm			
(430.2mm)		(301.30mm)	(367.71		(372.0mm)			
Lawngtlai-291.20mm		370.28mm	Mamit-197.57n	-	-247.35mm			
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)			
Weather summary	of the past	Weather fore	cast valid from	01 st Novembe	r, 2017 To			
three day	s	05 th November, 2017.						
Maximum Tem. (°C):1	9-20°C ′	There are chances of moderate to light rainfall during the						
Minimum Tem. (°C):1	3-14°C	next 3 days. The maximum and minimum temperatures for						
Maximum RH (%):97-	100%	the next 5 day			±			
Minimum RH (%):76-	92%	Maximum relati	v v					
Wind Direction: Sout	heasterly	100% and min	U		0			
Cloud cover: Mainly o	cloudy	would be easter	.					
Wind speed: 2-3 km/	nr	Partially clear w	0					
	-	i ai tialiy cicai w	in prevan durin	g the next live (Jays.			
Rainfall: 42.5 mm		Weels	a aumulativa	rainfall 00.0				
		weeki	y cumulative	rainfall: 20.0 1	<u>11111</u>			
					/ 11 11			
NDVI for Mizoram		North East Region 29 June 201		wet mildly dr	y/mildly wet			
		~~ ···:	conditions					
			}					
		Agriculture region in good on most of the party institution	Agent					
		Travel and Vegladed, whereas moderninger is notice of the regime.						
		N IN I						
		VIV	M		1 Page			
			1		- I - 45 C			



ICAR RESEARCH COMPLEX FOR NEH REGION



Moin Crowl	Store	Culturel	Agriculture 1 / Henticulture 1 / optime 1
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	(4 According to forecast and past weather
MANDARIN	fruiting stage	KOLASIE	record, probability of rain will be less
AND ACID	1	6	and temperature will be high. So
LIME)	an J	drainage channel shall be block the
BANANA	(1 1	channel for maintain field moisture.
DANANA	5	the second se	4 Medium to young seedling should be
	E		support by bamboo stake.
	J		Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	0.0000000		♣ To increase the fruit set, spray 2, 4 – D ⓐ 20 ppm during flowering store. For
PLUM AND	5	(AIZAWL)	 (a) 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D (a) 20 ppm
PEACH		1	or NAA @ 30 ppm after fruit set (marble
	S	5	size).
	1	1 1 1	Use to high humidity, high
) 6		temperature and less rainfall in hilly
	15		region of the district probability of leaf
	0	SERCHN	
		(~)	Hexaconazole $@ 1 \text{ ml}/10 \text{ lt of water.}$
	1	Citrus cancar	4 Copper- based fungicides Copper Oxy
)		Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a
	ale	NORTH SHOT	barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	5		4 Control minor infections limited to a small
		5	area of the tree by pruning away the
		A V	affected parts.
			Severely infected trees should be destroyed
		1701	to prevent infecting healthy trees nearby.
		Citrus leafminor	4 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		LANDING TO AN A	dimethoate 2 ml /1 at 50% egg hatching
		LAWNGTLAUS	stage when 1 st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting	C SAIHA	Slightly purple coloured fruits along
r ussion riuit	stage		with a small portion of stem / pedicel
	~~~5~	1 = 1	should be picked up.
		6 1 1	
			2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

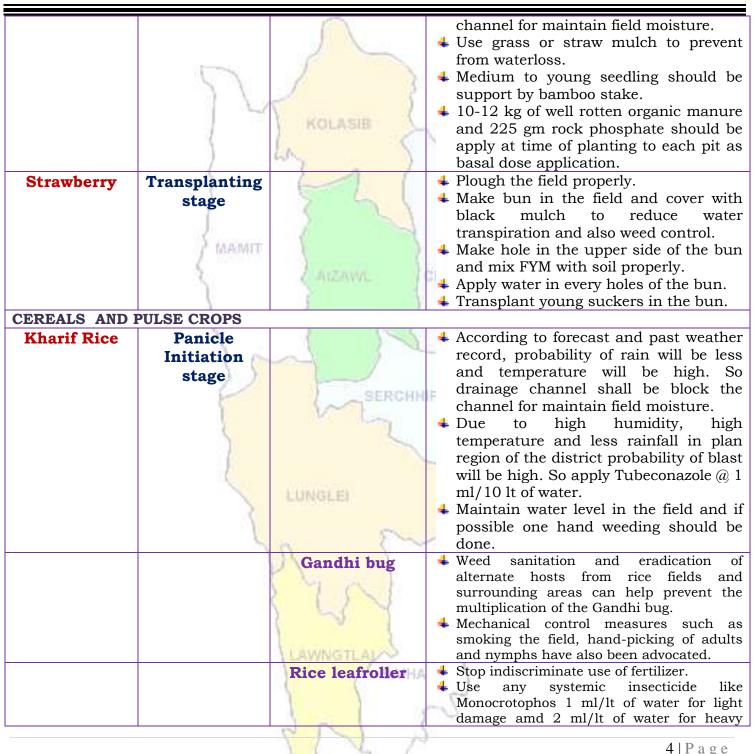


PLANTATION CI		Fruit fly	<ul> <li>The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>Collect and burn all infected plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
COFFEE	Fruiting stage	AIZAWL SERCHN LUNGLEI	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li><b>Replanting of new seedling</b></li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li><b>Fruiting stage</b></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> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1</li> </ul>
Rubber	Vegetative stage	LAWNGTLAUS	<ul> <li>ml/10 lt of water.</li> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the</li> </ul>
	1	VII P	3   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Rabi Maize	Coming the sta			damage.
	Sowing stage		4	Due to availability of soil moisture in field, land preparation should be
				started for rabi maize. It can be grown
	21	2		in all types of soils having adequate
		V LOUIS A REAL		provision of drainage.
		KOLASIB	( <b>+</b>	Field should be ploughed properly so as
	)	La N		to expose the pupae of red hairy
	(	3 4 /		caterpillar. If anyone want to sow local winter
	1		-	variety maize seeds. Seed treatment is
	f.	2 21		required to prevent from ant like
				Chloropyrophos @ 1ml per kg of seed.
Zero tillage	Sowing	Zero tillage	4	Clean all debris from the <i>jhum</i> field.
Greengram	5	LAIZAWAL I	2 <b>4</b>	Open the furrow with of dao or dibbler
and	5	Concernance 1	1.11	or khurpee.
blackgram	1	1	+	Put recommended fertilizer dose and
_	10	a l		mix with soil.
			-	Place two to three seeds per pocket with 30 cm row to row and 15 cm plant
	0			to plant distance.
Zero tillage	Germination	Zero tillage		Thinning must be done where more
Soybean	stage	SERCHN	it.	population was observed.
cultivation in			4	Apply 2% urea solution for better
Jhum	2	1		growth.
			-	Weeding and earthing up should be carried out.
Zero tillage	Sowing stage	Zero tillage		Due to availability of soil moisture in
Toria	Sowing stage	Zero tillage	-	field, land preparation should be
1011a	1	-	_	started for toria after rice harvest. It
	5	n 8~	-	can be grown better in loamy soils
		1		having adequate provision of drainage.
		Mar and		Clean all debris from the field.
			+	Open the furrow with of dao or dibbler
		1 -2 1		or khurpee.
		1	-	Put recommended fertilizer dose and mix with soil.
		LAWNGTLAN		Place six to eight seeds per pocket with
		SAIHA		30 cm row to row and 15 cm plant to
				plant distance.
		1 = 1 1	4	Sow certified seeds from a reliable
		6 1 1		5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



turmericstageturmericstagerecord, probability of rain will be les and temperature will be high. St and temperature will be high. Application of FYM (1.5-2.0 kg/ m2 Line soving of seeds (7-10cm)			$\cap$	source to prevent seed rot and seedling
Ginger and turmeric       Vegetative stage <ul> <li>According to forecast and past weather record, probability of rain will be lead temperature will be high. S drainage channel shall be block the channel for maintain field moisture.</li> <li>Early cole crop</li> </ul> <ul> <li>Harvesting stage</li> <li>Land preparation</li> <li>After they are plant and the model of the second temperature will be high. S drainage channel for maintain field moisture.</li> <li>Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0. In or phosolone 1.5 ml or acceptate 1. g or dimethoate 2 ml/lt of water.</li> <li>After this, irrigation has to be withhel to hasten maturity.</li> <li>Leaves have started turning yellow an some of them have fallen off, signalit the time for harvesting the corms.</li> <li>Harvesting is done by careful uprooting the plants and the mother orms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covere with soil by earthing up, for arrestin further vegetative growth and sproutin of tubers.</li> </ul> <li>Early cole crop</li> <li>Nursery stage</li> <li>Land preparation</li> <li>Mursery preparation for cabbage, cauliflower, broccoil and knolkhol.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be Im width and covere with soil by earthing of Seed (r-10cm)</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g/(Apron)/ kg seed</li>				blight (M-27, 15-30 and 15-36).
ColocasiaHarvesting stageStageAfter this, irrigation has to be withhele to hasten maturity.Leaves have started turning yellow an some of them have fallen off, signalin the time for harvesting the corms.Harvesting is done by careful uprooting the plants and the mothe corms and cormels are separated.One month prior to harvest, all th 	Ginger and	Vegetative stage	man and	<ul> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0. ml or phosolone 1.5 ml or acephate 1.</li> </ul>
Early cole crop       Nursery stage       Land preparation       ✓       Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.         4       Raised bed, nursery bed solarisation.       +       Raised bed, nursery bed solarisation.         4       Bed should be 1m width and conventional length.       +       Application of FYM (1.5-2.0 kg/ m ² )         4       Damping off       ✓       Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed	Colocasia		m	<ul> <li>After this, irrigation has to be withhele to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signalin the time for harvesting the corms.</li> <li>Harvesting is done by carefull uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sproutin</li> </ul>
(Apron)/ kg seed	•	Nursery stage	Preparation	<ul> <li>Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Seed treatment with thiram 3g/kg seed</li> </ul>
			2011	(Apron)/ kg seed



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



		~	<ul> <li>✓ Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
Colocasia	Harvesting		4 After this, irrigation has to be withheld
	stage	1 8	to hasten maturity.
		N I I I I I I I I I I I I I I I I I I I	4 Leaves have started turning yellow and
		KOLASIB	some of them have fallen off, signaling
	1	Ex. S	the time for harvesting the corms.
	1	W7 2 1	+ Harvesting is done by carefully
	5		uprooting the plants and the mother
	5	SL	corms and cormels are separated.
		5. 5.1	4 One month prior to harvest, all the
		1	suckers may be wrapped around the
	/ MAMIT		base of the mother plant and covered
	C married	A CALE MARKED	with soil by earthing up, for arresting
	5	AIZAWL J	further vegetative growth and sprouting
		5	of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop		preparation	cauliflower, broccoli and knolkhol.
•	) 6		🚽 🗍 Raised bed, nursery bed
	18		solarisation.
	0	SERCHN	Bed should be 1m width and
	5	ward and a second secon	conventional length.
	1		4 Application of FYM (1.5-2.0 kg/ $m^2$ )
	0.0		Line sowing of seeds (7-10cm)
			<ul> <li>Irrigation must be provide to nursery</li> </ul>
			every alternative days.
Onion	Nursery stage	Poly house	Raised bed, nursery bed solarisation.
	3		+ Bed should be 1m width and
		5	conventional length.
		11 1 1 2	Application of FYM (1.5-2.0 kg/ m ² )
			Line sowing of seeds (7-10cm)
		7 7 6	Irrigation must be provide to nursery avery alternative days
			<ul> <li>every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
			Trichoderma viride 4g+ metalaxyl 4g
		And the second s	(Apron)/ kg seed
		LAWNGTLAN	↓ Drenching 1% Bordeaux mixture or 2 g
		SAIHA	
			at 10-15 DAS are effective.
French bean	Sowing stage		<b>4</b> Variable, healthy, well mature and pure
		a A l	seeds should be sown.



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
		2	4 Optimum spacing for pole type 60 cm 3 30 cm.
			<b>4</b> Before sowing seed should be treated
	51	1 8	with Rhizobium vermicompost@10 t/ha.
Capsicum	Nursery stage	Poly house	<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and</li> </ul>
	4	6	Bed should be 1m width and conventional length.
	1	~~ ~ )	Application of FYM (1.5-2.0 kg/ m ² )
	2		Line sowing of seeds (7-10cm)
	1	3 21	Irrigation must be provide to nurser every alternative days.
	Same	1	Seed treatment with thiram 3g/kg seed o
	/ MAMIT	5	Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed
	3	AIZAWIL	↓ Drenching 1% Bordeaux mixture or 2
		1	captan or 3 copper oxychloride/ lt of wate
Brinjal	Nursery stage		at 10-15 DAS are effective. Nursery preparation for Brinjal.
Dilijai	huisery stage		<ul> <li>Raised bed, nursery bed</li> </ul>
	1 6	~ /	solarisation.
	$\mathcal{O}$	SERCHN	Hed should be 1m width and
		(~)SERUNN	conventional length.
	5		Application of FYM (1.5-2.0 kg/
			$m^2$ )
	-P		<ul> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nurser</li> </ul>
		LUNGLEI	every alternative days.
Chilli	Nursery stage		Nursery preparation for tomato.
		~ ~ ~	Raised bed, nursery bed
		J. 1	solarisation.
		( y and	Bed should be 1m width and conventional length.
			Application of FYM (1.5-2.0 kg/ $m^2$
			Line sowing of seeds (7-10cm)
		LAWNGTLAN	4 Irrigation must be provide to nurser
	NT	SAIHA	every alternative days.
Tomato	Nursery stage	5 6	<ul> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> </ul>
			Bed should be 1m width and
		6 N 2	
			8   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	$\sum_{i=1}^{n}$	Damping off	<ul> <li>conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
ANIMAL HUSBEI			
Pig	All stages	AIZAWA. SERCHH Porcine	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs),</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWINGTLAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection under</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

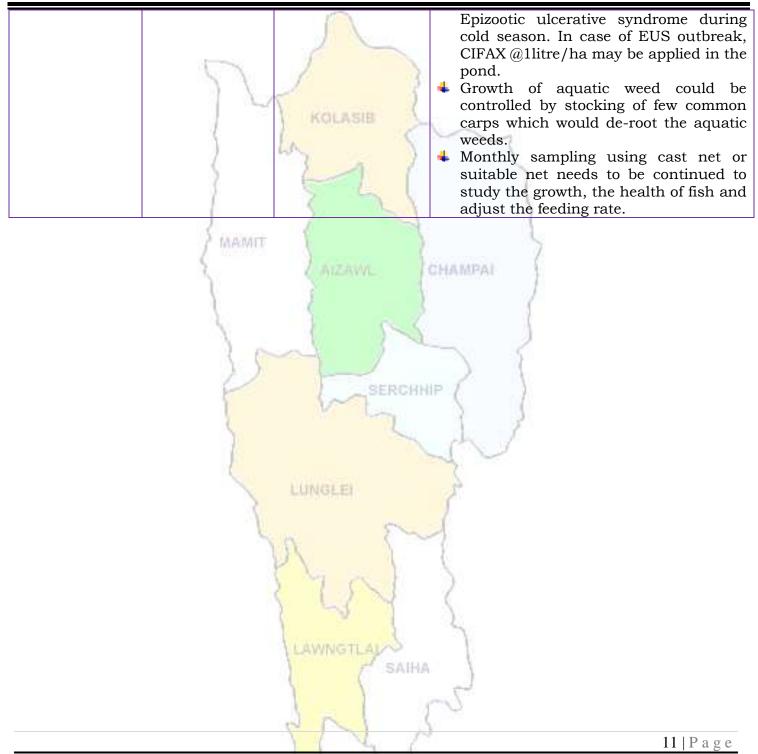


2	KOLASIB	<ul> <li>vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
	3 4 1	Provide preventive dose of anti-coccidial
management	AIZAWA	<ul> <li>drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>
2	CUNGERI	
Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH.</li> <li>Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds.</li> <li>Application of plankton inoculum from other ponds could help in development of plankton production.</li> <li>The fishes should be observed regularly for sign of disease outbreak especially</li> </ul>
	MAMIT Monitoring of	Litter management



**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	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

LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Champhai

Period: 01 November - 05 November, 2017

### Bulletin No: - 746/2017/ Bulletin/Mizo

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017	
	01.11.2017	02.11.2017	5	10	5	
Rainfall (mm)	28	28	27	27	26	
Max Temp (°C) Min Temp (°C)	14	13	14	11	12	
<b>_ ` /</b>		Partially clear	Partially clear	11 Mainly cloudy	Partially clear	
Cloud Coverage	Clear sky	5	5	5 5	95	
Max RH (%)	90	100	95	99		
Min RH (%)	32	31	64	77	81	
Wind Speed (KmpH)	4	3	3	3	2	
*Wind Direction	E	E	E	E	E	
		Easterly- N-E, Easterly-				
		Westerly- S-W, We				
STATUS STATUS OF N						
Aizawl- 384.87mm	-		Saiha- 216.20 n		247.17mm	
(430.2mm)		(301.30mm)	(367.71	•	(372.0mm)	
Lawngtlai-291.20mm	Lunglei		Mamit-197.57n	-	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	01 st Novembe	er – 05 th Nov	ember, 2017	<b>chhunga</b>	
three day	s	sik le	h sa dinhmu	un tur tlangr	oui	
Maximum Tem. (°C):1	9-20°C	Tun ni 3 chhur				
Minimum Tem. (°C):1		tura beisei a ni.	0			
Maximum RH (%):97-	1	A vawh lai ber i			U	
Minimum RH (%):76-9		berin of 90-100%				
Wind Direction: Sout	hoortor!					
Cloud cover: Mainly o		niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Wind speed: 2-3 km/	nr					
		hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 42.5 mm						
		Weekl		<b>rainfall:</b> 20.0r		
NDVI for Mizoram		North East Region 21. June 21		wet mildly dr	y/mildly wet	
		2012 (201) 2012 (201)	conditions			
			han all /s haliptical			
			a 1			
		øg-	" fine			
		Agriculture oppositio good meet road of the parts for the Traces and Weghteley, whereas modeline captures to notice				
		al time region.				
		8 5	2		1   D	
		E L	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		1   P a g e	



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

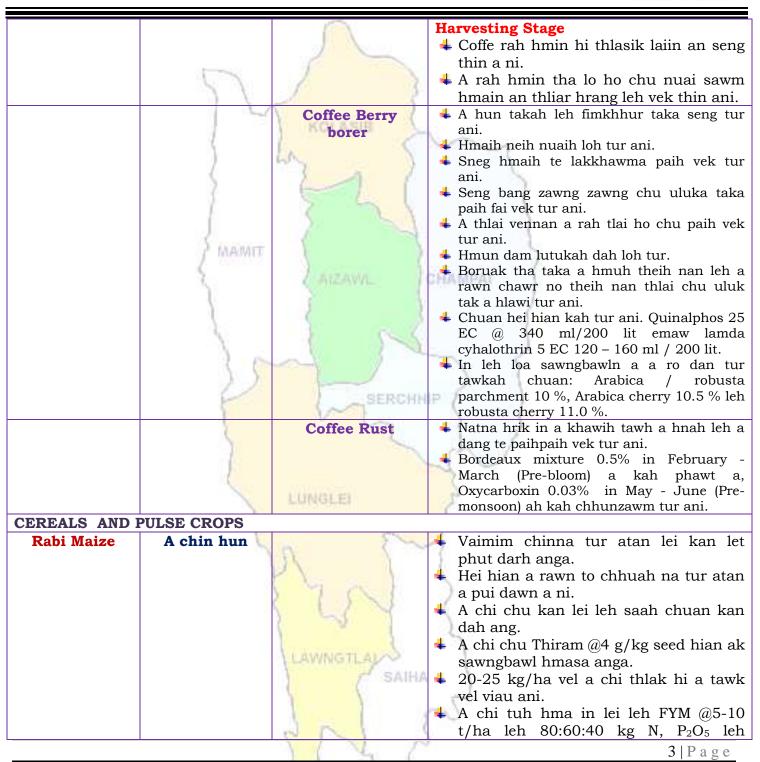


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS		·				
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID	8	1 monore 2	velah dahkhawm tur ani.			
LIME	)	La J	4 Thlai naupang deuah chuan chawlh			
	(	1 1	kar tin a tui pek thin tur ani.			
BANANA	1		4 Leia tha mamawh tawk a hmuh			
	1	2 2 1	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	/ meaning	5	taka pek hian a rah tla tur chelh nan			
PLUM AND	3	Z AIZAWAL I	leh a rah than that nan te leh a rah			
			keh tur lakah t a veng thei ani.			
PEACH	l					
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna			
		canker, citrus	laka vennan Bordeaux past hi thing zar leh			
		greening and	a trangah te hnawih tur ani.			
	11	Dieback				
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu			
	1	Nº La	heng te hian enkawl tur ani: carbaryl 0.2			
	5		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 g/l.			
PLANTATION CR						
COFFEE	All stages	Provide States and Provide State	Nursery stage			
	1	1990	+ Thlai chi thlak hma in Azospirillum leh			
		n 7~	Phosphobacterium a enkawl tur ani.			
		1	+ A chi hi December – January ah hmun			
			zawl/rualrem 1.5 - 2.5 cm a in hlatin			
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.			
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a			
			buhpawla khuh tur ani.			
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh			
		SAIHA	nan niin a chhun loh nan zar hliah tur			
		( ( Shink	ani.			
			4 Ni 45 hnu velah a tiak thin a,chu chu			
bag ah an sawn chhuak leh thin ani.						
		8 N A				
		1 4 6	2   P a g e			



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	$\sum$	$K_2O/ha$ 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 CR0	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek</li> </ul>
		FIZ A	4   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicum       Nursery stage       Poly house <ul> <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>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> </ul> Phytopthora blight <ul> <li>A than a that theih nan ukhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> </ul> Phytopthora blight <ul> <li>A thi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha he ani</li> <li>Hneh taka 1%. Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper poxchloride a tui liter 1 hi 10-15 DAS a pek hi a tha he 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>A than a that hei al bul vawn hnawn nat thi lou ta anah ni lie rin pan hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hunah thia bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi leh zikhlum lam chi reng reng eng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>				
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 thiai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightPhytopthora blightFrench beanSowing stageFrench beanSowing stageCarrot and radishSowing stage	Onion and	Nursery stars	Poly house	<ul> <li>ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageHeh 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 nuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek nuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek nuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek nuah thlai bul vawn hnawn na tur siam tur ani.Tui pek nuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.DisplayMancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.			AIZAMA	<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 stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Zikhlum lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>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	<ul> <li>a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
		Sowing stage		<ul> <li>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</li> </ul>
			6 N 3	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	{ MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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** 



	5	$\bigwedge$	<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	LA N	1-6 ah F1 vaccine pek tur ani a, chuar
	(	3 4 1	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
			B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium or
	F MAGMIT		coccidiostat
	Intervent v	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	3	ARZAWL	CHAMPAI }
	Stocking and	( )	🔸 Dil a chinai hman hian tui thur tur a
	monitoring	Sec. 1	veng mai nilovin, tuithur avang a natna
	(Sangha	1 1	lo awm thei lak atangin sangha a veng
	chhuah leh		thei.
	enkawl)		+ Dil tui a fim lutuk avanga hnim lo to
		SERCHN	tur vennan leitha dilah hman thin tur a
		W-T	ni. Dil tari fue batal al alterna anda
	2		+ Dil tui fim lutuk ah chuan sangha
			chaw (plankton) a lo insiam theihnan plankton tamna tui dil dang atangir
			dahluh thin tur ani.
	and the second s	MIN MARKEN	Sangha ten natna an kai leh kai loh
		LUNGLEI	enfiah reng thin tur ani. Sangha pan a
	3		lo awm anih chuan dil tuiah CIFAX @1
		5	litre/ha (hectare khat ah litre khat
		AL N	pawlh a a enkawl tur ani.
			4 Dil a hnim to tih rem nan common carr
		1701	tlem a zawng chhuah thin ani a
		1 La Y	common carp te hian dil hnim zung
		1 N 1	atangin a phawi thin ani
		LI ALANIE TO AL	🖊 Sangha hriselna, a than dan leh a chav
		LAWNGTLAN	pek zat tur hriatna turin thla tin a
		- SAIHA	sangha man a a rihzawng enfiah zel tu
			ani.
		A a l	V.
		R 1 1 1	710000
L		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



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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,





#### **District:** Kolasib

Period: 01 November - 05 November, 2017

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017	
Rainfall (mm)	0	0	8	10	0	
Max Temp (°C)	30	30	29	28	27	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	95	95	99	98	100	
Min RH (%)	38	41	95	97	67	
Wind Speed (KmpH)	2	2	4	3	2	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , W	esterly-W, North	-westerly- N-W.		
			nt of deviation fro			
Aizawl- 384.87mm	-	i- 268.78mm	Saiha- 216.20 n		247.17mm	
(430.2mm)		(301.30mm)	(367.71		(372.0mm)	
Lawngtlai-291.20mm		-370.28mm	Mamit-197.57n	-	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather fore	cast valid from		r, 2017 To	
three day		05 th November, 2017.				
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1		2	e maximum and		±	
Maximum RH (%):98-		the next 5 d	ays may rang	e for 27-30°C	and 15°C.	
Minimum RH (%):78-		Maximum relat	ive humidity is	expected in the	range of 95-	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·		nimum may fro	<b>-</b>	0	
Cloud cover: Mainly			rly with the win			
Wind speed: 2 km/h	r		vill prevail durin	-		
Deinfell, 94 0 mm			provan adm			
Rainfall: 84.2 mm		Week	ly cumulative	rainfall: 18.0	mm	
		W CCA	g cuntututte i			
NDVI for Mizoram		An anna an ann an an anna an anna an	Moderately	wet mildly dr	w/mildly wet	
NDVI IOI MIZOIAIII		North East Report 19-June	conditions	wet minuty u	y/minuty wet	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	COIIGIUOIIS			
		øg 🗄	······································			
		Aprilulian view is pool over hod of the parts tech Travel and Meghanian whereas monotonic rights is not	ery degeni an to met			
		of the region				
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Main Crop/	Store	Cultural	Agricultural / Horticultural/ animal
Animal	Stage	practices/ Pest/	husbandry advisories
			nusbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	-		
KHASI	Flowering to	5	4 According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	((and temperature will be high. So
LIME)	60)	drainage channel shall be block the channel for maintain field moisture.
BANANA	S		4 Medium to young seedling should be
	5	SE	support by bamboo stake.
		5 54	4 Use split dose of fertilizer for normal
STAR FRUIT	de anno 199		growth and development.
	1 MAMIT		↓ To increase the fruit set, spray 2, 4 – D
	S	LAZAWL I	@ 20 ppm during flowering stage. For
PLUM AND		A meanine.	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH))	or NAA @ 30 ppm after fruit set (marble
	20	a la	size).
			4 Due to high humidity, high
	2.0	~ / /	temperature and less rainfall in hilly
	1)		region of the district probability of leaf
	F	SERCHN	
			Hexaconazole @ 1 ml/10 lt of water.
	5	Citrus cancar	↓ Copper- based fungicides Copper Oxy
	d.		Chloride 50%WP @ 2g/lt or bactericides
	1		Blitox 50 WG @ 0.01g/lt can provide a barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	3		4 Control minor infections limited to a small
	1	0	area of the tree by pruning away the
	1	n (~	affected parts.
			 Severely infected trees should be destroyed
		4 201	to prevent infecting healthy trees nearby.
		Citrus leafminor	 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		La superior and the	dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAU	stage when 1st instars predominate which
		SAIHA	coincides with I Fortnight of July.
Passion Fruit	Harvesting		4 Slightly purple coloured fruits along
	stage	1	with a small portion of stem / pedicel
		A A	should be picked up.
			2 P a g e

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



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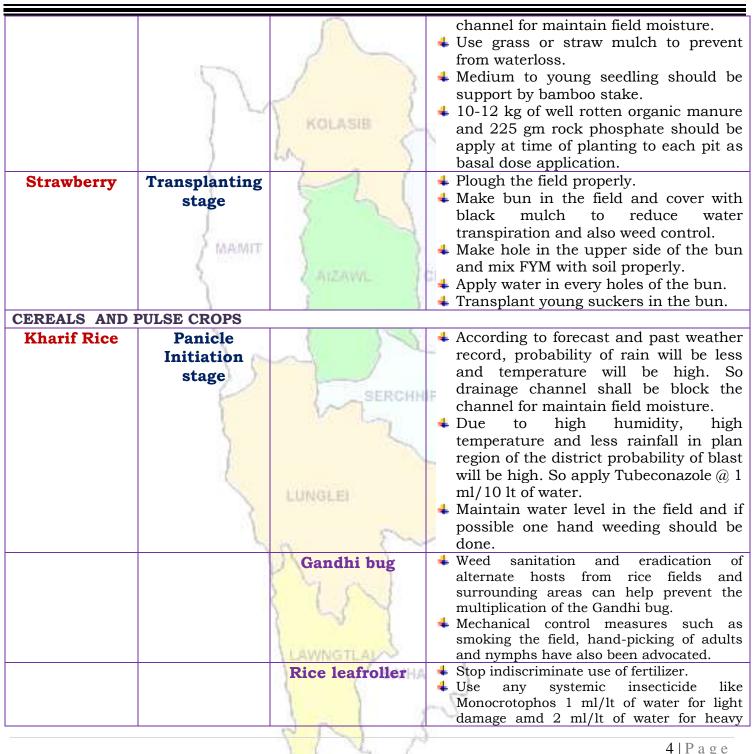


PLANTATION CI		Fruit fly	 The fruits should be marketed quickly to prevent loss in weight and their appearance. The rind becomes wrinkled on drying but the pulp remains in good condition for several days. Collect and burn all infected plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
COFFEE	Fruiting stage	AIZAWL SERCHN LUNGLEI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. Fertilizer dose should be maintained. Fruiting stage 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. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1
Rubber	Vegetative stage	SAIHA	 ml/10 lt of water. According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
	1	TT P	3 P a g e



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		12		damage.
Rabi Maize	Sowing stage		4	Due to availability of soil moisture in field, land preparation should be
	57	1 3		started for rabi maize. It can be grown in all types of soils having adequate
		5		provision of drainage.
	1	KOLASIB	4	Field should be ploughed properly so as
)	La D		to expose the pupae of red hairy caterpillar.
	5		4	If anyone want to sow local winter
	1	251		variety maize seeds. Seed treatment is
	J			required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.
Zero tillage	Sowing	Zero tillage		Clean all debris from the <i>jhum</i> field.
Greengram	8	A AIZAWAL	CH4	Open the furrow with of dao or dibbler or khurpee.
and blackgram		3	4	Put recommended fertilizer dose and
bruchgrum	1	Stand Land		mix with soil.
			-	Place two to three seeds per pocket with 30 cm row to row and 15 cm plant
	55			to plant distance.
Zero tillage	Germination	Zero tillage	i÷	Thinning must be done where more population was observed.
Soybean cultivation in	stage	V	4	Apply 2% urea solution for better
Jhum	2	4		growth.
	11		2	Weeding and earthing up should be carried out.
Zero tillage	Sowing stage	Zero tillage	+	Due to availability of soil moisture in
Toria	1			field, land preparation should be started for toria after rice harvest. It
	5	n (~	-	can be grown better in loamy soils
		211	-	having adequate provision of drainage. Clean all debris from the field.
		1251		Open the furrow with of dao or dibbler
		1 -2 1		or khurpee.
		LI ALARIE TO AL	-	Put recommended fertilizer dose and mix with soil.
		LAWNGTLAL	•	Place six to eight seeds per pocket with
				30 cm row to row and 15 cm plant to plant distance.
		1 = 1	°.	Sow certified seeds from a reliable
		612 3		5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
/EGETABLE CF	ROP		blight (M-27, 10-00 and 10-00).
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability o shoot borer infestation will be high Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole crop	Nursery stage	Land preparation	 Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days.
			every alternative days.



ICAR RESEARCH COMPLEX FOR NEH REGION



		KOLASIB	 Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage	AIZAWL	 Variable, healthy, well mature and pure seeds should be sown. Optimum spacing for pole type 60 cm X 30 cm. Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.
Capsicum	Nursery stage	Poly house SERCHH	 Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days. Seed treatment with thiram 3g/kg seed or
	2		 Securication with thrain 3g/kg securic Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage	LAWNGTLAL	 Nursery preparation for Brinjal. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
		P N N	710.000
			7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			1, , 4
			every alternative days.
Chilli	Nursery stage		Nursery preparation for tomato.
	1		♣ Raised bed, nursery bed
	8 1	1 3	solarisation.
		5	Bed should be 1m width and
		KOLASIE	conventional length.
	6	0	4 Application of FYM (1.5-2.0 kg/ m ²)
)	60 J	Line sowing of seeds (7-10cm)
	S		Irrigation must be provide to nursery
	5	All and a second s	every alternative days.
Tomato	Nursery stage	S. SA	Nursery preparation for tomato.
	d		Raised bed, nursery bed solarisation.
	J MAMIT		4 Bed should be 1m width and
	S	AZAWIL	conventional length. Application of FYM (1.5-2.0 kg/ m ²)
		Constitutes of	Line sowing of seeds (7-10cm)
)))	 Irrigation must be provide to nursery
	20	3 all	every alternative days.
	1	Damping off	4 Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
	11		(Apron)/ kg seed
	1	SERCHN	Drenching 1% Bordeaux mixture or 2 g
		V Lan	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBEN	NDARY		
Pig	All stages		🔸 Animals must keep in dry place or
			kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3		animals.
		500	1 st injection at 6 months of age and
		A N	2nd injection at 12 months of age
		P Var and V	followed by annual vaccination under vet supervision against FMD.
		1775	 Reduce concentrate diet up to 5%.
	A. A	1 La Y	Provide adequate potable water.
		V A A	In present weather conditions
		LAWNGTLAL	vaccinate against swine fever (Vaccines
		CATHA	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	- V
		Respiratory	()M
		VIN A	8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

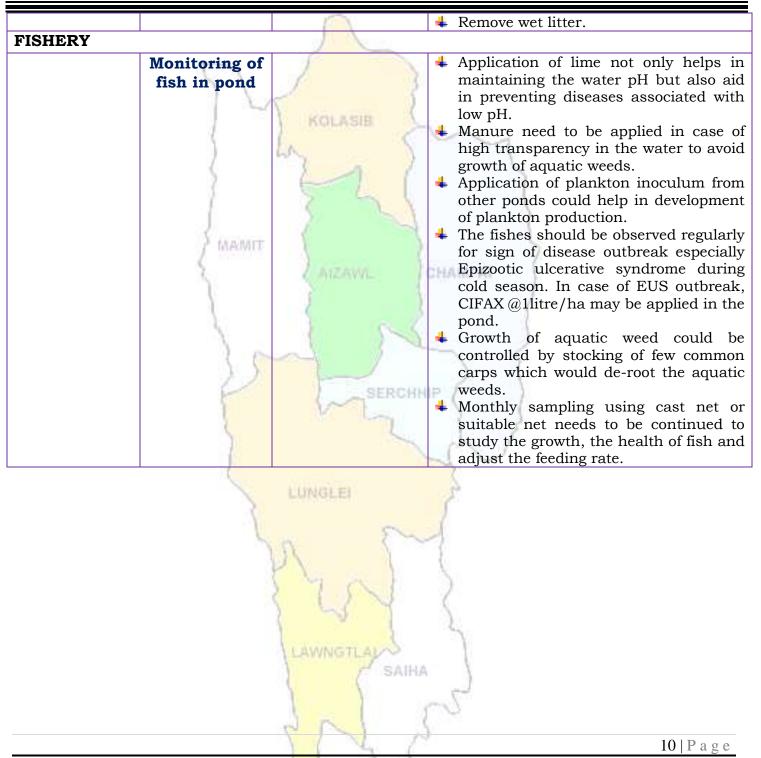


		Syndrome (PRRS).	
Cattle	All age group		4 In present weather conditions, special
	1 mm	5	care should be taken against attack of
	6	1	maggots in the wounds of animals.
		1	Application of turpentine oil in the
	had	V CONTRACTOR A	wounds followed by application of
		KOLASIB	antibiotics for five days is advised.
	1	Lo S	4 Provide UMB/Molases if possible in the
	1	~ 1	feed
	2		4 Provide 10-30 ml of vitamin B-Complex
	1	5 6	in feed
		5 54	4 1 st injection at 6-8 weeks of age, 2nd
	R		injection after 6 months of 1 st injection
	/ MAMIT	X 7	followed by annual vaccination under
	5	LAIZAWL I	vet supervision.
	1	Companyer 1	Separate sick animals.
	1	5 Y	4 The animal should be washed with
	200	a la	lukewarm water added with little
	- N		potash (KMnO4) or neem leaves.
	2 6	~ 1 ~	4 Long hair near the
	1)		udder/stomach/back legs should be
		SERCHH	teamed short.
Poultry	Litter	1 miles	+ Provide preventive dose of anti-coccidial
	management		drugs to poultry.
	3		Proper ventilation of shed.
			+ Provide glucose/electral along with
	and the second s	NON CONCERNS	vitamin supplements (@5- 6ml/100
		LUNGLEI	birds) with adequate potable water
	3		 Avoid overcrowding. Dravida braad, anastrum antibalminthia
	1	5	+ Provide broad- spectrum antihelminthic
		11	drug under vet supervision and recommended doses.
			Vaccination as per the schedule with
		M ACL	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:
		Sugar and a sugar sugar sugar	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine 35 days: F/Lasota 6-7
		/ SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
		1	RD R-2B strain.
	l	0 0 0	
		VIV C	9 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	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com	
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com	
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com	
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com	
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com	
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com	

Collaborating Department:

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

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Period: 01 November - 05 November, 2017

Bulletin No:	- 746/2017/	Bulletin/Mizo
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Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017		
Rainfall (mm)	0	0	8	10	0		
Max Temp (°C)	30	30	29	28	27		
Min Temp (°C)	15	15	15	15	15		
Cloud Coverage		Partially clear	Mainly cloudy	Mainly cloudy			
	Clear sky 95	95	99	98	Partially clear 100		
Max RH (%)							
Min RH (%)	38	41	95	97	67		
Wind Speed (KmpH)	2	2	4	3	2		
*Wind Direction	E	E	E	E	E		
		Casterly- N-E, Ea	· · · · ·	•			
		/esterly- <mark>S-W</mark> , We					
		-31, 2017 (Percen					
Aizawl- 384.87mm	· · · · · · · · · · · · · · · · · · ·		Saiha- 216.20 n		247.17mm		
(430.2mm)		(301.30mm)	(367.7r		(372.0mm)		
Lawngtlai-291.20mm			Mamit-197.57n		-247.35mm		
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)		
Weather summary	•	01 st Novemb	er – 05 th Nov	ember, 2017	chhunga		
three day	S	sik le	h sa dinhmu	in tur tlangr	oui		
Maximum Tem. (°C):2	23-27°C	Fun ni 2 chhur	ng lo awm tur	ah hian ruahti	i tla miahlo		
Minimum Tem. (°C):1		Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-30°C a ni ang a. A vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin					
Maximum RH (%):98-							
Minimum RH (%):78-	000/	95-100% leh a hniam lai berin 38-97% ni tur a rin niin.					
Wind Direction: Sout	la a a tha mlan						
Cloud cover: Mainly of	loudr	Thli hi darkar k					
Wind speed: 2 km/h	r 2	zawngin a tleh :			nga chhung		
]	hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 84.2 mm							
		Weekl	y cumulative	rainfall: 18.0r	nm		
NDVI for Mizoram		and the second	Moderately	wet mildly dr	v/mildly_wet		
		North East Region 29 Auro 217	conditions	wet minuty ui	y main y wee		
		Aphabas specia pod ave tod of teapets herber 4 Trave od Majnika: visiter rodente upper a rodente					
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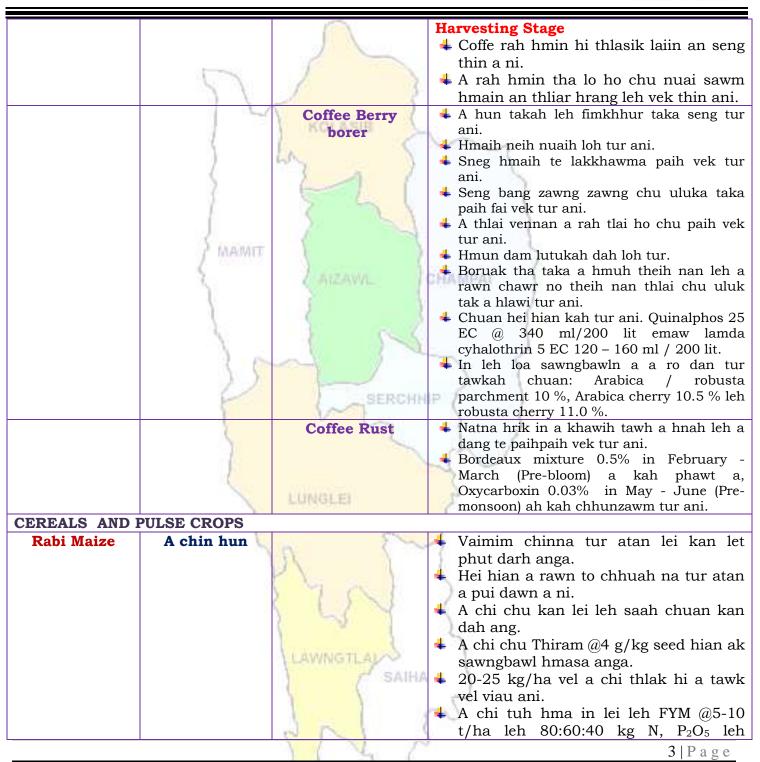


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			1
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	9	1 mountains 2	velah dahkhawm tur ani.
LIME)	LA.	
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		O a start a site of the second	Tomosturo baism butula lab basana usag
		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
	60	greening and Dieback	a trangah te hnawih tur ani.
	12	Fruit fly	Huan zau takah chuan a par tan tirh leh a
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu
	5	N Lan	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		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
	1	Λ (\sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 9 26-1	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.
			 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.
<u> </u>		N N S	
		VIL M	2 P a g e



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	2	\sum	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 CRO	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.
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
		VIZ N	4 P a g e



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Onion and	N	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.
		900	510
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAL
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	 Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		900	6 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	Ranikhet Disease- an pian atanga ni
	measures	m)	1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani.
	3	Contraction of the second	 B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
	2	/ WOOMS	coccidiostat
	MADAIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	2	ARZAWIL I	CHAMPAI }
	Stocking and	1	Dil a chinai hman hian tui thur tur a veng mai nilovin, tuithur avang a natna
	monitoring	S al	lo awm thei lak atangin sangha a veng
	(Sangha		thei.
	chhuah leh		4 Dil tui a fim lutuk avanga hnim lo to
	enkawl)	F	tur vennan leitha dilah hman thin tur a
		SERCHN	P (ni.
	5	No long	Dil tui fim lutuk ah chuan sangha
	20	1	chaw (plankton) a lo insiam theihnan,
			plankton tamna tui dil dang atangin
		NUMPER STATES	dahluh thin tur ani. Sangha ten natna an kai leh kai loh
		LUNGLEI	enfiah reng thin tur ani. Sangha pan a
	2		lo awm anih chuan dil tuiah CIFAX @1
			litre/ha (hectare khat ah litre khat
		16	pawlh a a enkawl tur ani.
			4 Dil a hnim to tih rem nan common carp
		2 1 5 1	tlem a zawng chhuah thin ani a
		1 -2 1	common carp te hian dil hnim zung
			atangin a phawi thin ani Sangha hriselna, a than dan leh a chaw
		LAWNGTLAL	pek zat tur hriatna turin thla tin a
) / SAIHA	sangha man a a rihzawng enfiah zel tur
			ani.
			0
		P D A	715
		4	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	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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



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

Guwahati)



District: Lawngtlai

Period: 01 November - 05 November, 2017

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017
Rainfall (mm)	0	0	2	5	0
Max Temp (°C)	30	30	30	29	28
Min Temp (°C)	17	17	16	16	16
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Mainly cloudy	Mainly clear
Max RH (%)	98	97	95	95	97
Min RH (%)	44	43	49	53	59
Wind Speed (KmpH)	2	2	4	2	2
*Wind Direction	E	E	E	E	E
Northe	rly- N, North-I	Easterly- <mark>N-E</mark> , Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		/esterly- <mark>S-W</mark> , We			
		-31, 2017 (Percen			
Aizawl- 384.87mm	-		<mark>Saiha-</mark> 216.20 n		247.17mm
(430.2mm)		(301.30mm)	(367.71		(372.0mm)
Lawngtlai-291.20mm			Mamit-197.57n	•	-247.35mm
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forec		01 st Novembe	r, 2017 To
three day		05th November , 2017.			
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):94- Minimum RH (%):71- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-3 km/ Rainfall: 38.4 mm NDVI for Mizoram	3°C 99% 94% heasterly cloudy	There are chance The maximum a days may rang relative humidity minimum may easterly with the clear will prevail Weekl	and minimum (e) for 28-30°C (y) is expected i from 43-59%. (e) wind speed o during the nex (y) cumulative (Moderately conditions	temperatures for 2 and 16-17°C n the range of Wind directions f 2-4 km per h	or the next 5 C. Maximum 95-97% and on would be our. Partially mm
		612	P		1 P a g e



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Main Oran /	Store	Culturel	Agnioultureal / Hosticultureal / aging a
Main Crop/ Animal	Stage	Cultural	Agricultural / Horticultural/ animal husbandry advisories
		practices/ Pest/	nusbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	Flowering to	5	4 According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	(1.	and temperature will be high. So
LIME)	~~)	drainage channel shall be block the channel for maintain field moisture.
BANANA	S	2 0	4 Medium to young seedling should be
DAMAMA	5	State La	support by bamboo stake.
		C 71	Use split dose of fertilizer for normal
STAR FRUIT			growth and development.
STAR FROM	/ MAMIT		\blacksquare To increase the fruit set, spray 2, 4 – D
	S manner	Laurania I	a 20 ppm during flowering stage. For
PLUM AND	1	(AIZAWIL)	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	8	5 5	or NAA @ 30 ppm after fruit set (marble
	50	Sec. and	size).
	- N		4 Due to high humidity, high
	2 6	~ 1 ~	temperature and less rainfall in hilly
	(1)		region of the district probability of leaf
	2	SERCHN	rust will be high. So apply
		V	Hexaconazole $@1 \text{ ml}/10 \text{ lt of water.}$
	5	Citrus cancar	4 Copper- based fungicides Copper Oxy
			Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a
		William Text	barrier against infection, but they will not
	5	LUNGLEI	treat an existing infection.
	1		+ Control minor infections limited to a small
		n En	area of the tree by pruning away the
		3	affected parts.
			+ Severely infected trees should be destroyed
			to prevent infecting healthy trees nearby.
		Citrus leafminor	Apply insecticide like imidacloprid 0.5 ml or phonologie 1.5 ml or acceptote 1.0 g or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml /l at 50% egg hatching
		LAWNGTLAL	stage when 1 st instars predominate which
		SAIHA	coincides with I Fortnight of July.
Passion Fruit	Harvesting		4 Slightly purple coloured fruits along
	stage		with a small portion of stem / pedicel
	_	A R I	should be picked up.
		V V A	2 P a g e



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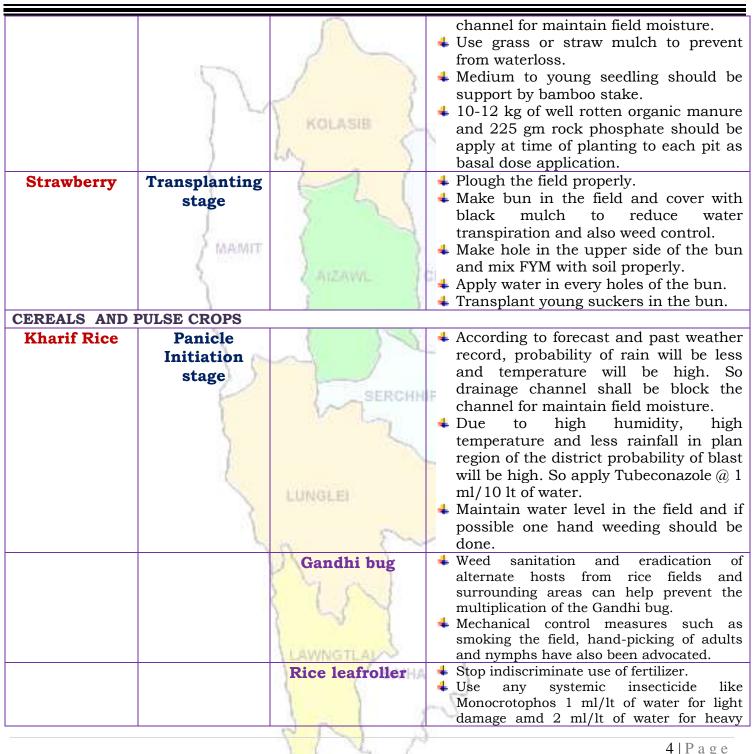


PLANTATION CE		Fruit fly	 The fruits should be marketed quickly to prevent loss in weight and their appearance. The rind becomes wrinkled on drying but the pulp remains in good condition for several days. Collect and burn all infected plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
COFFEE	Fruiting stage	AIZAWAL SERCHH LUNGLEI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. Fertilizer dose should be maintained. Fruiting stage 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. Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1
Rubber	Vegetative stage	SAIHA	 ml/10 lt of water. According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
	1	TTT P	3 P a g e



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		17		damage.
Rabi Maize	Sowing stage			Due to availability of soil moisture in field, land preparation should be
				started for rabi maize. It can be grown
	21	1 5		in all types of soils having adequate
		5		provision of drainage.
		KOLASIB		Field should be ploughed properly so as
	1	la S	2	to expose the pupae of red hairy
	1	~~~)		caterpillar.
	2		+	If anyone want to sow local winter
	1	2 5		variety maize seeds. Seed treatment is
		2 24		required to prevent from ant like
7 4 11 .	C CONTRACT	7 (11)		Chloropyrophos @ 1ml per kg of seed.
Zero tillage	Sowing	Zero tillage		Clean all debris from the <i>jhum</i> field. Open the furrow with of dao or dibbler
Greengram	3	ANZAWIL	CHA	or khurpee.
and			4	Put recommended fertilizer dose and
blackgram	1	5		mix with soil.
	5	1 5	4	Place two to three seeds per pocket
) 6			with 30 cm row to row and 15 cm plant
	100		-	to plant distance.
Zero tillage	Germination	Zero tillage		Thinning must be done where more
Soybean	stage	w l		population was observed.
cultivation in			*	Apply 2% urea solution for better
Jhum				growth. Weeding and earthing up should be
	- P		2	carried out.
Zero tillage	Sowing stage	Zero tillage	4	Due to availability of soil moisture in
Toria	3	Contract (Contract)		field, land preparation should be
		5		started for toria after rice harvest. It
	1	11 12	3	can be grown better in loamy soils
				having adequate provision of drainage.
		125 6 6		Clean all debris from the field. Open the furrow with of dao or dibbler
		1 62 4	-	or khurpee.
			4	Put recommended fertilizer dose and
		LAWNGTLAN		mix with soil.
		F SAIHA	. 4	Place six to eight seeds per pocket with
		((SAINA		$30\ \mathrm{cm}$ row to row and $15\ \mathrm{cm}$ plant to
				plant distance.
		Jal 1	+	Sow certified seeds from a reliable
		V V N		5 P a g e



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			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
/EGETABLE CF	ROP		blight (M-27, 10-00 and 10-00).
Ginger and turmeric	Vegetative stage	AIZAWL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withheld to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms. Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.
Early cole crop	Nursery stage	Land preparation	 Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
			every alternative days.



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	7	KOLASIB	 Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage	AIZAWL	 Variable, healthy, well mature and pure seeds should be sown. Optimum spacing for pole type 60 cm X 30 cm. Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.
Capsicum	Nursery stage	Poly house	 Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days.
	2		 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage		 Nursery preparation for Brinjal. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
		P 2 2)
			7 P a g e



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		1	every alternative days.
Chilli	Nursery stage		 A Nursery preparation for tomato.
Chin	Muisely stage		 Raised bed, nursery bed
			solarisation.
	1 6	1 3	Bed should be 1m width and
		V Day and	conventional length.
		KOLASIB	Application of FYM (1.5-2.0 kg/ m ²)
		La S	 Line sowing of seeds (7-10cm)
	(3 4 1	 Irrigation must be provide to nursery
	1		every alternative days.
Tomato	Nursery stage	CEL	Nursery preparation for tomato.
			Raised bed, nursery bed solarisation.
	/ MAMIT		4 Bed should be 1m width and
	5	AIZAWA_	conventional length.
		Comenta-	 Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm)
	N N	1	 Irrigation must be provide to nursery
	10	3 al	every alternative days.
	1 2	Damping off	♣ Seed treatment with thiram 3g/kg seed or
	8.0		Trichoderma viride 4g+ metalaxyl 4g
	12		(Apron)/ kg seed
		SERCHN	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	8		at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY		
Pig	All stages		4 Animals must keep in dry place or
	14	MIR (1997)	kept in alleviated area and dry bedding
	S.	LUNGLEI	(straw) to be provided to young
	1		animals. 4 1 st injection at 6 months of age and
	5	w 8~~	2nd injection at 12 months of age
		1	followed by annual vaccination under
		(Sa and)	vet supervision against FMD.
		2 1 5 3	4 Reduce concentrate diet up to 5%.
		1 -4 1	Provide adequate potable water.
		1	4 In present weather conditions
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		Poroino	available in State Veterinary Departs).
		Porcine Reproductive	1. Culling of positive pigs or piglets.
		Respiratory	~~
		Respiratory	
			8 P a g e



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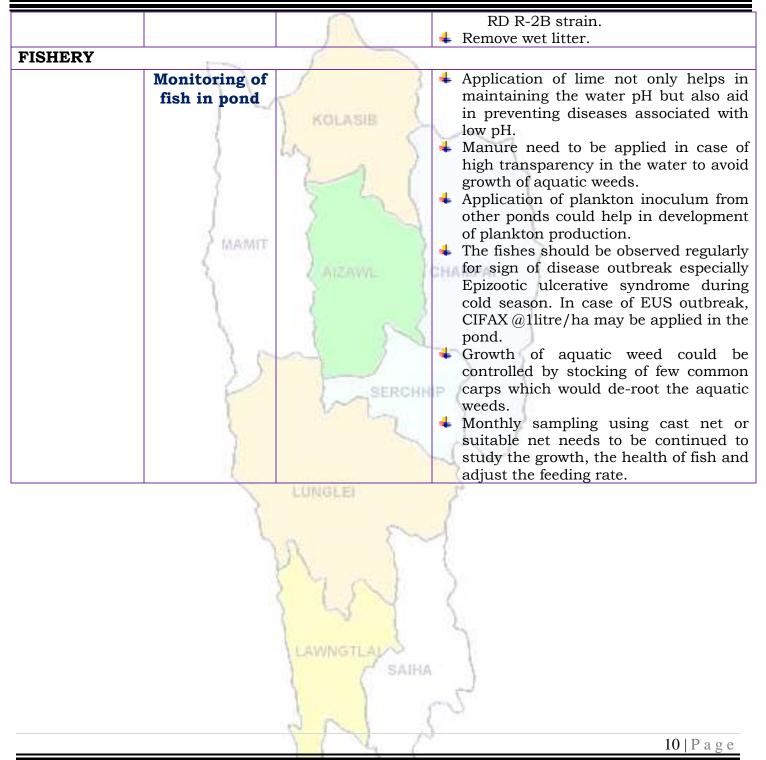


		Syndrome	
		(PRRS).	
Cattle	All age group	KOLASIB	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be
	1	SERCHN	teamed short.
Poultry	Litter	and the second	Provide preventive dose of anti-coccidial
-	management	1	drugs to poultry.
	5	LUNGLEI	 Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding.
		ANT	 Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses. Vaccination as per the schedule with
		LAWNGTLAN	 proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18
		SAIHA	days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days:
		6 1 2	9 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
211 0121 011gh			
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	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		

Collaborating Department:

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

LAWNGTLA SAIHA

11 | 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

Period: 01 November - 05 November, 2017

Bulletin No: - 746/2017/ Bulletin/Mizo

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017		
Rainfall (mm)	0	0	2	5	0		
Max Temp (°C)	30	30	30	29	28		
Min Temp (°C)	17	17	16	16	16		
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Mainly cloudy	Mainly clear		
Max RH (%)	98	97	95	95	97		
Min RH (%)	44	43	49	53	59		
Wind Speed (KmpH)	2	2	4	2	2		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Vesterly- <mark>S-W</mark> , We					
		-31, 2017 (Percent					
Aizawl- 384.87mm	-		<mark>Saiha-</mark> 216.20 n		247.17mm		
(430.2mm)		(301.30mm)	(367.7r		(372.0mm)		
Lawngtlai-291.20mm			Mamit-197.57n	· · · · · · · · · · · · · · · · · · ·	-247.35mm		
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)		
Weather summary	-	01 st Novembe	e r – 05th Nov	ember, 2017	' chhunga		
three day	s	sik leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):94- Minimum RH (%):71-9 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-3 km/ Rainfall: 38.4 mm	3°C 99% 94% heasterly cloudy	Tun ni 2 chhun tura beisei a ni. vawh lai ber in berin 95-97% le niin. Thli hi dar awi zawngin a the hian khawthiang Weekl	Khua a lum lai 16-17°C ni tu h a hniam lai kar khatah 2-4 ch rin a ni. A tl g tak hmuh bei y cumulative	berin 28-30°C ura beisei a ni berin 43-59% km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung nm		
NDVI IOF MIZOFAM		Renth Last Region 20 Ann. 2017 10 Ann. 2017	conditions	wet minuty dr	y/milaly wet		
		V C	12		1 P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION

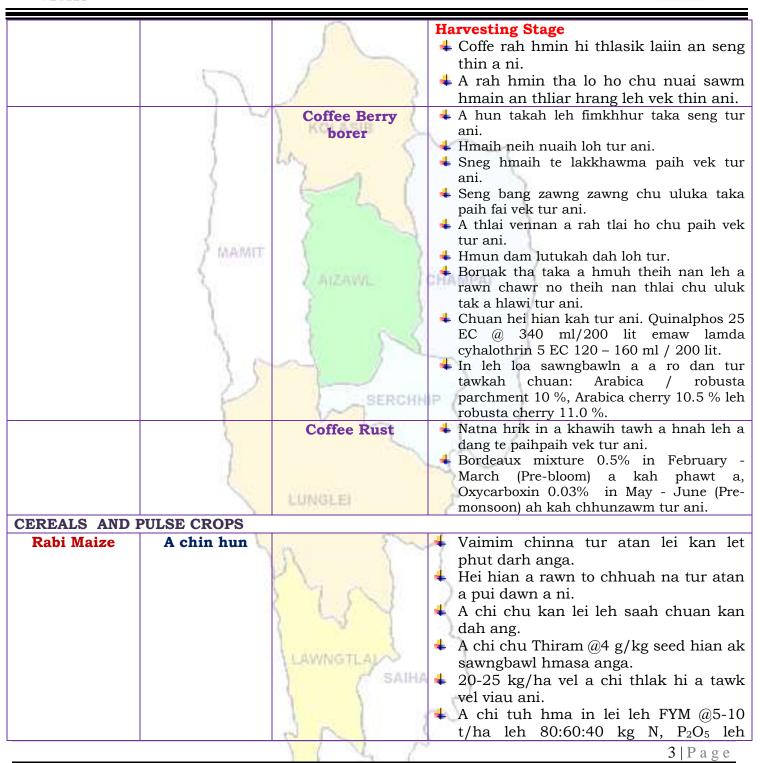


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	9	1 mountains 2	velah dahkhawm tur ani.
LIME)	LA.	
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		O a start a site of the second	Tomo anting baien bitula lab baaring room
		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
	60	greening and Dieback	a trangah te hnawih tur ani.
	12	Fruit fly	Huan zau takah chuan a par tan tirh leh a
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu
	5	N Lan	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		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
	1	γ (\sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 25-1	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.
			 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.
I		N N S	
		VIL M	2 P a g e



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ICAR RESEARCH COMPLEX FOR NEH REGION



ICAR			
	5	\sum	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 CR	Sowing stage	AIZAWA	 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



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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 u lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. Thai u lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. Poly house A than a that theih nan nikhat danah tui pek thin tur ani. Thai bul a hawn nan athlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah bi a tha file ani. Thai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah bi a tha file ani. French bean Sowing stage A thia duna thein nan tui pek hma in lei rin pan hmasak tur ani. Tui pek hana hi hing akhuh tur ani a. than a that theih nan nikhat danah tui pek thin tur ani. A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hunah tha hia bul vawn hnawn na tur 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 thin tur ani.capsicumtui pek thin tur ani.tui pek thin tur ani.Thia ibul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thia ibul yawn hnawn nana thia 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+ metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageThia blight4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stageCarrot and radishSowin	Onion and	Nursery stars	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 turi na 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 aniDisplay a pawlha kah tur ani.			AIZAMA	 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 stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionMarkow Construc		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 1 4)



ICAR RESEARCH COMPLEX FOR NEH REGION



ANIMAL 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 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	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAK	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		001	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	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
		A REPART		ani.
	Preventive	0-3 rd week	ŧ	Ranikhet Disease- an pian atanga ni
	measures	LA N		1-6 ah F1 vaccine pek tur ani a, chuan
	(3 4 1		a puitlingh chuan R ₂ B vaccine pek tur
	2			ani.
		Ath me also	-	B complex with antibodies
		4 th weeks	-	Coccidiosis - Amprolium or
	MAMIT		-	coccidiostat
	A DESCRIPTION OF	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHI	AMPAI }
	Stocking and	1	4	Dil a chinai hman hian tui thur tur a
	monitoring	5		veng mai nilovin, tuithur avang a natna
	(Sangha	1 155		lo awm thei lak atangin sangha a veng
	chhuah leh			thei.
	enkawl)		+	Dil tui a fim lutuk avanga hnim lo to
		SERCHN	p)	tur vennan leitha dilah hman thin tur a
	5	W-		ni. Dil tri fin latale al alegan sonale
			•	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan,
	1			plankton tamna tui dil dang atangin
	1.05		2	dahluh thin tur ani.
	and the second	Matta Star	4	Sangha ten natna an kai leh kai loh
		LUNGLEI	9	enfiah reng thin tur ani. Sangha pan a
	S		1	lo awm anih chuan dil tuiah CIFAX @1
		En En	1	litre/ha (hectare khat ah litre khat)
		JE I	1	pawlh a a enkawl tur ani.
			4	Dil a hnim to tih rem nan common carp
		1701		tlem a zawng chhuah thin ani a,
	R. A.	1 La Y	1	common carp te hian dil hnim zung
		1 4 1	12	atangin a phawi thin ani
		LI MARIE TO ALL	4	Sangha hriselna, a than dan leh a chaw
		LAWNGTLAN		pek zat tur hriatna turin thla tin a
		- SAIHA		sangha man a a rihzawng enfiah zel tur
				ani.
		A a l 1		9
		P N N)	<i></i>
		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	<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	6	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	(A)	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Period: 01 November - 05 November, 2017

Bulletin N	lo: - 746	/2017/	Bulletin,	English	
		1		P	

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017
Rainfall (mm)	0	3	7	0	0
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	16	16	15	16	16
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	100	94	99	99
Min RH (%)	39	38	45	73	77
Wind Speed (KmpH)	4	4	4	4	2
*Wind Direction	E	E	E	E	Ē
	rly- N. North-	Easterly- N-E, East	sterly- E. South	-Easterly- S-E.	
		Westerly- <mark>S-W</mark> , We			
STATUS STATUS OF M					
Aizawl- 384.87mm	Champha	i- 268.78mm	Saiha- 216.20 n	nm Kolasib-	247.17mm
(430.2mm)		(301.30mm)	(367.7r	nm)	(372.0mm)
Lawngtlai-291.20mm	Lunglei	370.28mm	Mamit-197.57n	nm Serchhi <mark>r</mark>	-247.35mm
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)
Weather summary	of the past	Weather forec	ast valid from	01 st Novembe	r, 2017 To
three day	S		05 th Novemb	er, 2017.	
Maximum Tem. (°C):	L6-18ºC	There are chanc	es of light rain	fall during the	next 2 days.
Minimum Tem. (°C):1		The maximum a	and minimum	temperatures fo	or the next 5
Maximum RH (%):97-	99%	days may rang			
Minimum RH (%):73-		relative humidity	y is expected in	n the range of 9	94-100% and
Wind Direction: Sout	heasterly	minimum may	/ 1	0	
Cloud cover: Mainly	cloudy	easterly with the			
Wind speed: 2-3 km/	nr	clear will prevail	-	-	our rardany
		cicar win prevan	during the nex	a nvc days.	
Rainfall: 34.8 mm		Weekl	u oumulative :	rainfall: 11.0	mm
		WEERL	y cumululle i	ungun. 11.01	
NDVI for Mizoram			Madawatala		/ :1 -11 +
NDVI for Mizoram		North East Region 39 June 3117		wet mildly dr	y/mildly wet
		~~~ ··· ··	conditions		
		April of the expert is good, see most of the parts from the set in the set of the parts from the set of the se			
		of the region.			
		0 1 1			
		1 / V	C		1   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Cran	Store	Culturel	Agnioultureal / Honticultureal / agricult	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Flowering to	(	<b>4</b> According to forecast and past weather	
MANDARIN	fruiting stage	KOLASIE	record, probability of rain will be less	
AND ACID	1	6	and temperature will be high. So	
LIME	)	an J	drainage channel shall be block the	
	(	1 1	channel for maintain field moisture.	
BANANA	1		<b>4</b> Medium to young seedling should be	
	1		support by bamboo stake.	
	. J.		4 Use split dose of fertilizer for normal	
STAR FRUIT	MAMIT	1	growth and development.	
	L MASSING		♣ To increase the fruit set, spray 2, 4 – D	
PLUM AND		ARZAWL J	a 20 ppm during flowering stage. For	
PEACH			fruit retention, spray 2, 4 – D @ 20 ppm	
I LAOII		5	or NAA @ 30 ppm after fruit set (marble	
	S	1 6 5	size). <b>4</b> Due to high humidity, high	
	1	A STA	temperature and less rainfall in hilly	
	105		region of the district probability of leaf	
	0	SERCHN		
		- SERONN	Hexaconazole $(a)$ 1 ml/10 lt of water.	
	1	Citrus cancar	<b>4</b> Copper- based fungicides Copper Oxy	
	2		Chloride 50%WP @ 2g/lt or bactericides	
		N 100	Blitox 50 WG @ 0.01g/lt can provide a	
		National Sector	barrier against infection, but they will not	
		LUNGLEI	treat an existing infection.	
	5		<b>4</b> Control minor infections limited to a small	
		5	area of the tree by pruning away the	
		1 1 ~	affected parts.	
			Severely infected trees should be destroyed	
		1 7 6	to prevent infecting healthy trees nearby.	
		Citrus leafminor	♣ Apply insecticide like imidacloprid 0.5 ml or	
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or	
			dimethoate 2 ml /l at 50% egg hatching	
		LAWNGTLAN	stage when 1 st instars predominate which	
Densier Dent	TT - mark - 4 to -	SAIHA	coincides with I Fortnight of July.	
Passion Fruit	Harvesting		Slightly purple coloured fruits along	
	stage	1	with a small portion of stem / pedicel	
		d N I	should be picked up.	
2   P a g e				



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

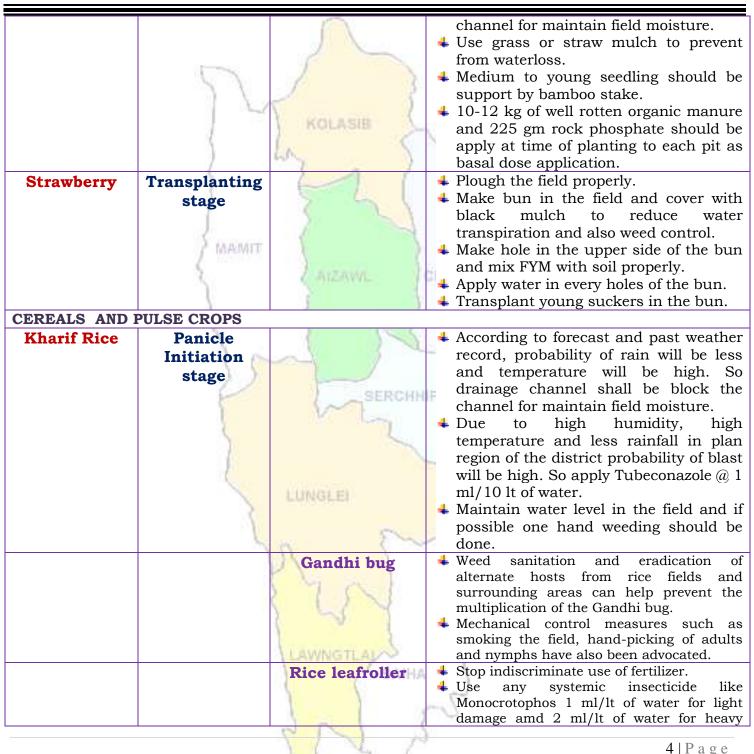


PLANTATION CE		Fruit fly	<ul> <li>The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>Collect and burn all infected plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
COFFEE	Fruiting stage	AIZAWL SERCHH LUNGLEI	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li><b>Replanting of new seedling</b></li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li><b>Fruiting stage</b></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> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1</li> </ul>
Rubber	Vegetative stage	LAWNGTLAL	<ul> <li>ml/10 lt of water.</li> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the</li> </ul>
	-	VIL P	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Rabi MaizeSowing stageRabi MaizeSowing stageImage: Sowing stage stageImage: Sowing stageImage: Sowing stage stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing stage started for rabi maize. It can be grown in all types of soils having adequate provision of drainage.Image: Sowing started for rabi maize. Image: Sowing started for			17		damage.
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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Ginger and turmeric       Vegetative stage       According to forecast and past weather record, probability of rain will be high. S drainage channel shall be block the channel for maintain field moisture.         Early cole crop       Harvesting stage       After this, irrigation has to be withhel to hasten maturity.         Early cole crop       Nursery stage       Land preparation         Mursery stage       Land preparation         Sea the use of FYM (1.5-2.0 kg/ m ² Line sowing of Seeds (7-10cm)         Sea threat this thriam 3g/k seed				blight (M-27, 15-30 and 15-38).
Colocasia       Harvesting stage       After this, irrigation has to be withhel to hasten maturity.         Leaves have started turning yellow an some of them have fallen off, signalin the time for harvesting the corms.       Harvesting is done by careful uprooting the plants and the mother corms and cormels are separated.         Early cole crop       Nursery stage       Land preparation         Pamping off       Vursery preparation for cabbage, cauliflower, broccoli and knolkhol.         Damping off       Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed	Ginger and	Vegetative stage	mar and a start	<ul> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0. ml or phosolone 1.5 ml or acephate 1.</li> </ul>
Early cole crop       Nursery stage       Land preparation       ✓       Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.         4       Raised bed, nursery bed solarisation.       +       Raised bed, nursery bed solarisation.         4       Bed should be 1m width and conventional length.       +       Application of FYM (1.5-2.0 kg/ m ² )         4       Damping off       ✓       Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed	Colocasia		SERCHH	<ul> <li>After this, irrigation has to be withhele to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signalin the time for harvesting the corms.</li> <li>Harvesting is done by carefull uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting</li> </ul>
(Apron)/ kg seed	•	Nursery stage	Preparation	<ul> <li>Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Seed treatment with thiram 3g/kg seed</li> </ul>
			201	(Apron)/ kg seed



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



		and the second sec	
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of
		f and a	water at 10-15 DAS are effective.
Colocasia	Harvesting	1 3	+ After this, irrigation has to be withheld
	stage	6 5	to hasten maturity.
		KOLASIE	Leaves have started turning yellow and
	ł	C C	some of them have fallen off, signaling
	)	LA N	the time for harvesting the corms.
	(	1 1	+ Harvesting is done by carefully
	1		uprooting the plants and the mother
	6	2 21	corms and cormels are separated.
			+ One month prior to harvest, all the
	AMAMIT		suckers may be wrapped around the base of the mother plant and covered
	1	\	with soil by earthing up, for arresting
	30	ATZAWIL /	further vegetative growth and sprouting
	1		of tubers.
Early cole	Nursery stage	Land	✓ Nursery preparation for cabbage,
crop	nuisery stage	preparation	cauliflower, broccoli and knolkhol.
crop	1	preparación	↓ Raised bed, nursery bed
	1.5		solarisation.
	0	SEROUN	Bed should be 1m width and
		SERCHN	conventional length.
	5		Application of FYM (1.5-2.0 kg/ m ² )
	1		Line sowing of seeds (7-10cm)
	1		<ul> <li>Irrigation must be provide to nursery</li> </ul>
	1		every alternative days.
Onion	Nursery stage	Poly house	+ Raised bed, nursery bed solarisation.
	3		+ Bed should be 1m width and
		5	conventional length.
		11 1 ~	Application of FYM (1.5-2.0 kg/ m ² )
			Line sowing of seeds (7-10cm)
		1 7 61	Irrigation must be provide to nursery
			<ul> <li>every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
			Trichoderma viride 4g+ metalaxyl 4g
		And the second sec	(Apron)/ kg seed
		LAWNGTLAN	↓ Drenching 1% Bordeaux mixture or 2 g
		) / SAIHA	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage		+ Variable, healthy, well mature and pure
		N N	seeds should be sown.
		VI V	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	0	~	<ul> <li>Optimum spacing for pole type 60 cm 2 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@1</li> </ul>
Capsicum	Nursery stage	Poly house	t/ha. <b>4</b> Raised bed, nursery bed solarisation. <b>4</b> Bed should be 1m width and
		mg 2	<ul> <li>conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nurser every alternative days.</li> </ul>
	MAMIT	AIZAWL.	<ul> <li>Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate at 10-15 DAS are effective.</li> </ul>
Brinjal	Nursery stage	SERCHH	<ul> <li>Nursery preparation for Brinjal.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nurser</li> </ul>
Chilli	Nursery stage		<ul> <li>Initigation must be provide to nurser every alternative days.</li> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> </ul>
		LAWNGTLAL	<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nurser</li> </ul>
Tomato	Nursery stage	SAIHA	<ul> <li>every alternative days.</li> <li>Nursery preparation for tomato.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width an</li> </ul>
		612	8   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

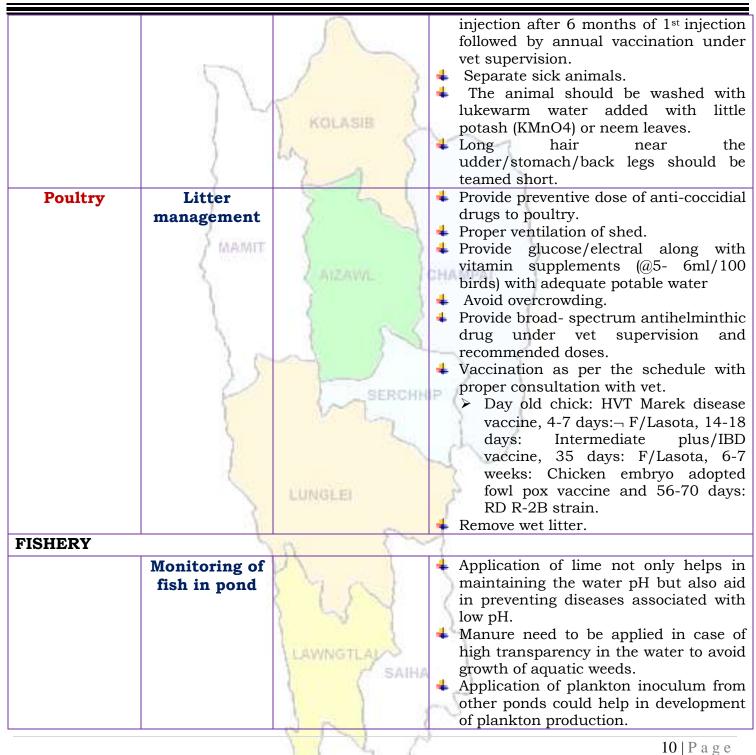


ICAR			
	7	Damping off	<ul> <li>conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
ANIMAL HUSBI			
Pig	All stages	AIZAWA SERCHI Porcine Reproductive	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs).</li> <li>Culling of positive pigs or piglets.</li> </ul>
		Respiratory	2
	3	Syndrome (PRRS).	1
Cattle	All age group	LAWNGTLAL	in feed
		N S I	1 st injection at 6-8 weeks of age, 2nd
		8151	
		F G	<b>9</b>   P a g e



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

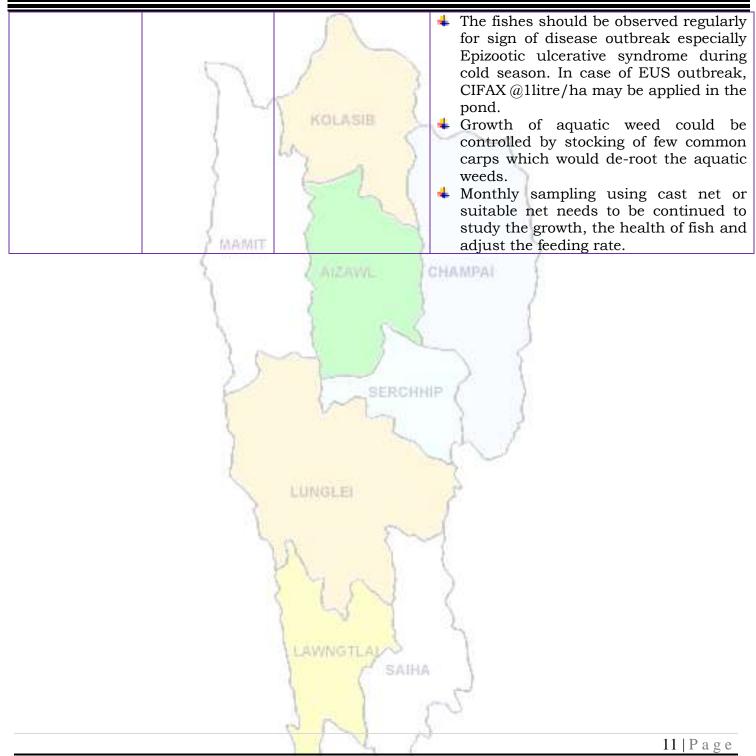






ICAR RESEARCH COMPLEX FOR NEH REGION







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

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



### **Expert committee members:**

Dr. 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

LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Lunglei

Period: 01 November - 05 November, 2017

<b>Bulletin No:</b>	- 746/2017/	Bulletin/Mizo
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1

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017	
Rainfall (mm)	0	3	7	0	0	
Max Temp (°C)	29	29	29	28	28	
Min Temp (°C)	16	16	15	16	16	
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Mainly cloudy	
Max RH (%)	100	100	94	99	99	
Min RH (%)	39	38	45	73	77	
Wind Speed (KmpH)	4	4	4	4	2	
*Wind Direction	E	E	E	Е	E	
Northe	rly- N, North-H	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,	·	
		/esterly- <mark>S-W</mark> , We				
		-31, 2017 (Percent			enthesis)	
<b>Aizawl-</b> 384.87mm			Saiha- 216.20 n		247.17mm	
(430.2mm)	_	(301.30mm)	(367.7r	nm)	(372.0mm)	
Lawngtlai-291.20mm		•	Mamit-197.57n	nm Serchhip	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n	nm) -	(301.8mm)	
Weather summary	of the past	01 st Novemb	er – 05 th Nov	ember, 2017	chhunga	
three day	· · · · · · · · · · · · · · · · · · ·	01 st November – 05 th November, 2017 chhunga sik leh sa dinhmun tur tlangpui				
· · · · · · · · · · · · · · · · · · ·						
Maximum Tem. (°C):1		Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo				
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 28-29ºC a ni ang a. A				
Maximum RH (%):97-		vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai berin 94-100% leh a hniam lai berin 38-77% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Minimum RH (%):73-						
Wind Direction: Sout						
Cloud cover: Mainly	cloudy					
Wind speed: 2-3 km/						
	1	inan knawtinang	g tak minun ber	sei a III.		
Rainfall: 34.8 mm						
		Weekl	y cumulative	rainfall: 11.0r	nm	
NDVI for Mizoram		North East Region 29 Aug. 217	Moderately	wet mildly dr	y/mildly wet	
		~	conditions			
		5 33 3	nt / nat med Rubert			
			-			
		<b>A</b> A. <b>2</b> (2.1)				
		Aphabate signal is post over tool of the parts herbers do traces and Maphabate whether moderne signal is noticed in strate sector.	1			
			14		110	
					1   Page	



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

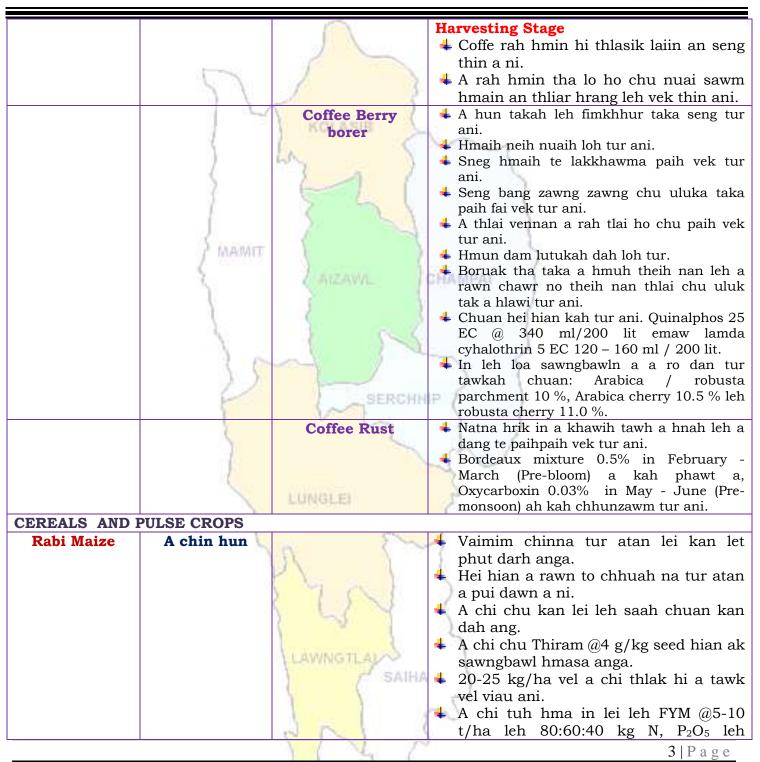


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.		
LIME	)	LA.			
	(	1 1	kar tin a tui pek thin tur ani.		
BANANA	1		4 Leia tha mamawh tawk a hmuh		
	1	2 2 1	theihna turin a hmunhma a hnim awm		
			te thlawhfai thin tur ani.		
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha		
	1	5	taka pek hian a rah tla tur chelh nan		
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah		
PEACH			keh tur lakah t a veng thei ani.		
FEACH		Current acia aitanta	<b>4</b> Temperture hniam lutuk leh hnawng vang		
	S	Gummosis, citrus	hian natna a a tam duh a . Soil bome natna		
	1	canker, citrus greening and	laka vennan Bordeaux past hi thing zar leh		
	1	Dieback	a trangah te hnawih tur ani.		
	0	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a		
		CALL REPERCINE	rah tan tirin chawlhkar hnih chhung chu		
	5		heng te hian enkawl tur ani: carbaryl 0.2		
	1		percent emaw malathion 0.15 percent		
	18		suspension containing sugar or jeggery at		
	0.7		10 g/l.		
PLANTATION CR		LUNGEEN			
COFFEE	All stages		Nursery stage		
	1	000	+ Thlai chi thlak hma in Azospirillum leh		
		$\gamma$ ( $\sim$	<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		
		1 9 26-1	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.		
		Lange and the second second	<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.		
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
		11 V C	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	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>
		VIV A	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>
		900	5 L D
			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 mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atar buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 all emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		001	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	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>
	Preventive	0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga ni
	measures	LA N	1-6 ah F1 vaccine pek tur ani a, chuan
	6	3 4 1	a puitlingh chuan R ₂ B vaccine pek tur
	2		ani.
		445 1	B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium or
	\$ MAGMIT		coccidiostat
	Instant P	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	3	ARZAWL J	CHAMPAI }
	Stocking and		👃 Dil a chinai hman hian tui thur tur a
	monitoring	5	veng mai nilovin, tuithur avang a natna
	(Sangha	1 1 1	lo awm thei lak atangin sangha a veng
	chhuah leh		thei.
	enkawl)		+ Dil tui a fim lutuk avanga hnim lo to
		SERCHN	tur vennan leitha dilah hman thin tur a
		W-T	ni.
			+ Dil tui fim lutuk ah chuan sangha
			chaw (plankton) a lo insiam theihnan, plankton tamna tui dil dang atangin
			dahluh thin tur ani.
	and the second s	March Second	Sangha ten natna an kai leh kai loh
		LUNGLEI	enfiah reng thin tur ani. Sangha pan a
	1		lo awm anih chuan dil tuiah CIFAX @1
		5	litre/ha (hectare khat ah litre khat)
		A N	pawlh a a enkawl tur ani.
			4 Dil a hnim to tih rem nan common carp
		1701	tlem a zawng chhuah thin ani a,
		1 La Y	common carp te hian dil hnim zung
			atangin a phawi thin ani
		LI ALANG TE AL	🔱 Sangha hriselna, a than dan leh a chaw
		LAWNGTLAN	pek zat tur hriatna turin thla tin a
		- SAIHA	sangha man a a rihzawng enfiah zel tur
			ani.
		Na L	^v
		6 5 4	710
		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	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

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



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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,





**District: Mamit** 

Period: 01 November - 05 November, 2017

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017
Rainfall (mm)	0	0	5	5	0
Max Temp (°C)	28	28	27	27	27
Min Temp (°C)	14	14	13	15	14
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear
Max RH (%)	95	95	98	95	96
Min RH (%)	33	38	96	97	73
Wind Speed (KmpH)	2	2	4	3	3
*Wind Direction	E	E	E	E	E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Vesterly- <mark>S-W</mark> , We			
		l-31, 2017 (Percen			
Aizawl- 384.87mm	-		<mark>Saiha-</mark> 216.20 n		247.17mm
(430.2mm)		(301.30mm)	(367.7r		(372.0mm)
Lawngtlai-291.20mm	Lunglei-		Mamit-197.57n	-	-247.35mm
(453.1mm)		(371.4mm)	(376.0n	*	(301.8mm)
Weather summary	-	Weather forec		01 st Novembe	r, 2017 To
three day			05 th Novemb		
Maximum Tem. (°C):2		There are chanc	0	0	J
Minimum Tem. (°C):1		The maximum a	ind minimum	temperatures fo	or the next 5
Maximum RH (%):97-		days may rang	ge for $27-28^{\circ}$	C and 14-15°C	C. Maximum
Minimum RH (%):83-		relative humidit	y is expected i	n the range of	95-98% and
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	minimum may	from 33-97%.	Wind direction	on would be
Cloud cover: Mainly		easterly with th	e wind speed o	of 2-4 km per	hour. Mainly
Wind speed: 2-3 km/		clear will prevail			,
De 14 6-11, 67 0 mm		oroar win provan			
Rainfall: 67.8 mm		Weekl	u cumulative s	rainfall: 10.0 1	mm
		meent,	g cumulutte i	angun 10.01	
NDVI for Mizoram		An out of the second	Moderately	wet mildly de	w/mildlw wet
NDVI IOF MIZOFAM		North East Region 29-June 3117	conditions	wet mildly dr	y/militily wet
			uit) arr		
		Agriculture report in good, some hord of the parts horthers at Tableat and Weightedies, whereas incodering report is noticed in			
		of Barragan.			
		2 2	NW.		
		V V	12		1   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Main Oran /	Store	O-141	A guien line of / TTention line of / and in a
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	5	<b>4</b> According to forecast and past weather
MANDARIN	fruiting stage	KOLASIE	record, probability of rain will be less
AND ACID	1	0	and temperature will be high. So
LIME	)	an J	drainage channel shall be block the
	( · · · ·	1 1	channel for maintain field moisture.
BANANA	8		4 Medium to young seedling should be
	E		support by bamboo stake.
			Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	L 102550123	1	♣ To increase the fruit set, spray 2, 4 – D
PLUM AND	347	( AIZAWL )	@ 20 ppm during flowering stage. For
PEACH	1		fruit retention, spray 2, 4 – D @ 20 ppm or NAA @ 30 ppm after fruit set (marble
	1	5	size).
	S	1 5	Unit of the size o
	0	1 1 X	temperature and less rainfall in hilly
	10 8		region of the district probability of leaf
	0	SERCHN	
		(~)	Hexaconazole $(a)$ 1 ml/10 lt of water.
		Citrus cancar	Copper- based fungicides Copper Oxy
	0		Chloride 50%WP @ 2g/lt or bactericides
	118		Blitox 50 WG @ 0.01g/lt can provide a
	14	Marchard How	barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	3		Control minor infections limited to a small
		5	📕 area of the tree by pruning away the
		$\eta = \eta$	affected parts.
			4 Severely infected trees should be destroyed
		125 6 6	to prevent infecting healthy trees nearby.
		Citrus leafminor	4 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		Contractor and the	dimethoate 2 ml /1 at 50% egg hatching
		LAWNGTLAN	stage when 1 st instars predominate which
Passion Fruit	Uomosting	- SAIHA	coincides with I Fortnight of July.
Passion Fruit	Harvesting		Slightly purple coloured fruits along with a small portion of stem / pedicel
	stage		should be picked up.
		e N J	
		I L C	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

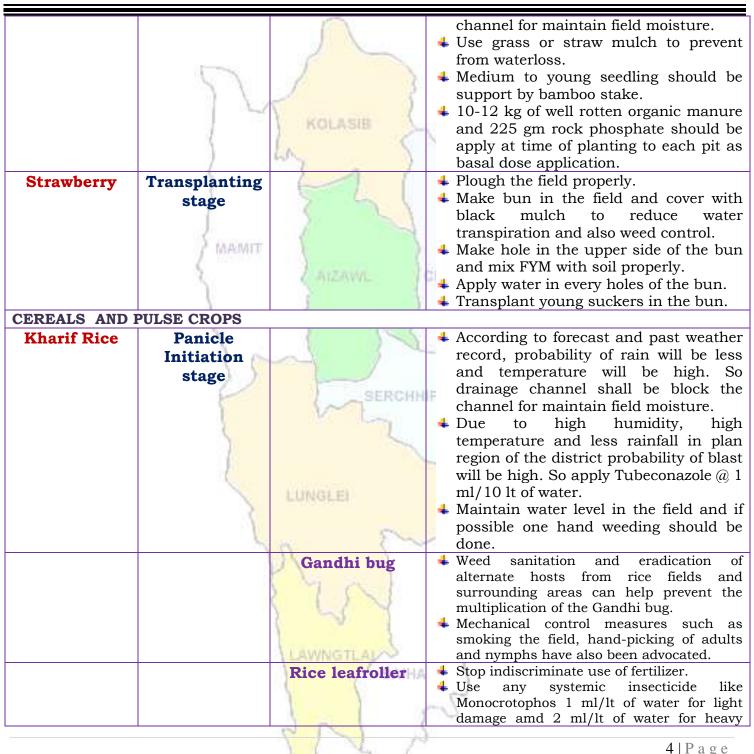


PLANTATION CE		Fruit fly	<ul> <li>The fruits should be marketed quickly to prevent loss in weight and their appearance.</li> <li>The rind becomes wrinkled on drying but the pulp remains in good condition for several days.</li> <li>Collect and burn all infected plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
COFFEE	Fruiting stage	AIZAWAL SERCHH LUNGLEI	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture.</li> <li><b>Replanting of new seedling</b></li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Replace dead plant with young seedlings.</li> <li>Fertilizer dose should be maintained.</li> <li><b>Fruiting stage</b></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> <li>Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition.</li> <li>Due to high humidity, high temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole (a) 1</li> </ul>
Rubber	Vegetative stage	SAIHA	<ul> <li>ml/10 lt of water.</li> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the</li> </ul>
	•	VIL P	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		0		do mo o mo
Rabi Maize	Sowing stage		_	damage. Due to availability of soil moisture in
Radi Maize	Sowing stage		-	field, land preparation should be
				started for rabi maize. It can be grown
	8 1	1 3		in all types of soils having adequate
		5		provision of drainage.
		KOLASIB		Field should be ploughed properly so as
	1	1	5	to expose the pupae of red hairy
	)	WA.		caterpillar.
		1 1 1	-	If anyone want to sow local winter
	1		-	variety maize seeds. Seed treatment is
	6	2 2 1		required to prevent from ant like
		21		Chloropyrophos @ 1ml per kg of seed.
Zero tillage	Sowing	Zero tillage	4	Clean all debris from the <i>jhum</i> field.
	Sowing	Zero tillage		Open the furrow with of dao or dibbler
Greengram	30	ATZAWAL I	CHA	or khurpee.
and			4	Put recommended fertilizer dose and
blackgram		6 5	-	mix with soil.
		5 54	4	Place two to three seeds per pocket
				with 30 cm row to row and 15 cm plant
	3.0			to plant distance.
Zero tillage	Germination	Zero tillage	. 4	Thinning must be done where more
Soybean	stage	SERCHN	1	population was observed.
cultivation in	B	N La	4	Apply 2% urea solution for better
Jhum	5			growth.
ontant	1		4	Weeding and earthing up should be
	20 C			carried out.
Zero tillage	Sowing stage	Zero tillage	+	Due to availability of soil moisture in
Toria	3			field, land preparation should be
	1	~	-	started for toria after rice harvest. It
		n (~~	-	can be grown better in loamy soils
				having adequate provision of drainage.
				Clean all debris from the field.
			4	Open the furrow with of dao or dibbler
		1 -2 1		or khurpee.
		1	-	Put recommended fertilizer dose and
		LAWNGTLAU	-	mix with soil.
		- SAIHA	•	Place six to eight seeds per pocket with
		1 1		30 cm row to row and 15 cm plant to
			e.	plant distance.
		NO	4	Sow certified seeds from a reliable
		V V M		<b>5</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
EGETABLE CF	ROP		blight (M-27, 10-00 and 10-00).
Ginger and turmeric	Vegetative stage	KOLASIB	<ul> <li>According to forecast and past weather record, probability of rain will be less and temperature will be high. Se drainage channel shall be block the channel for maintain field moisture.</li> <li>Earthing up soil near the base of the plant along with fertilizer for better growth and development.</li> <li>Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0.4 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>
Colocasia	Harvesting stage	LUNGLEI	<ul> <li>After this, irrigation has to be withheld to hasten maturity.</li> <li>Leaves have started turning yellow and some of them have fallen off, signaling the time for harvesting the corms.</li> <li>Harvesting is done by carefully uprooting the plants and the mother corms and cormels are separated.</li> <li>One month prior to harvest, all the suckers may be wrapped around the base of the mother plant and covered with soil by earthing up, for arresting further vegetative growth and sprouting of tubers.</li> </ul>
Early cole crop	Nursery stage	Land preparation	<ul> <li>Nursery preparation for cabbage, cauliflower, broccoli and knolkhol.</li> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>
			every alternative days.



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



French bean       Sowing stage         Sowing stage       Variable, healthy, well mature and pure seeds should be sown.         Variable, healthy, well mature and pure seeds should be sown.       Variable, healthy, well mature and pure seeds should be treated with Rhizobium vermicompost@10 t/ha.         Capsicum       Nursery stage       Poly house         Frinjal       Nursery stage       Poly house         Brinjal       Nursery stage       Sectorement with thiram 3g/kg seed or Tichoderma vinid 4g+ metalaxyl 4g (Apron)/kg seed         Brinjal       Nursery stage       Poly house         Brinjal       Nursery stage       Sectorement with hiram 3g/kg seed or Tichoderma vinid 4g+ metalaxyl 4g (Apron)/kg seed         Brinjal       Nursery stage       Sectorement with hiram 3g/kg seed or Tichoderma vinid 4g+ metalaxyl 4g (Apron)/kg seed         Brenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride / t of water at 10-15 DAs are effective.				
Seeds should be sown.       • Optimum spacing for pole type 60 cm X 30 cm.         • Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.         • Raised bed, nursery bed solarisation.         • Bed should be 1m width and conventional length.         • Application of FYM (1.5-2.0 kg/ m²)         • Line sowing of seeds (7-10cm)         • Brinjal         Nursery stage         • Nursery stage         • Nursery stage         • Nursery stage         • Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed         • Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ It of water at 10-15 DAS are effective.         • Nursery stage         • Nursery preparation for Brinjal.         • Raised bed, nursery bed solarisation.         • Bed should be 1m width and conventional length.         • Application of FYM (1.5-2.0 kg/ m²)         • In sowing of seeds (7-10cm)         • Irigation must be provide to nursery seed should be 1m width and conventional length.			KOLASIB	<ul> <li>conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
Brinjal       Nursery stage         Brinjal       Nursery stage         Brinjal       Nursery stage         Line sowing of seeds (7-10cm)         Irrigation must be provide to nursery every alternative days.         Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed         Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ It of water at 10-15 DAS are effective.         Brinjal       Nursery stage         Image: Set the state of th	French bean	and a second second	AIZAWL	<ul> <li>seeds should be sown.</li> <li>Optimum spacing for pole type 60 cm X 30 cm.</li> <li>Before sowing seed should be treated with Rhizobium vermicompost@10</li> </ul>
Brinjal       Nursery stage         Brinjal       Nursery stage         Image: State of the state o	Capsicum	Nursery stage		<ul> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery every alternative days.</li> </ul>
<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> <li>Irrigation must be provide to nursery</li> </ul>		2		Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
710	Brinjal	Nursery stage		<ul> <li>Raised bed, nursery bed solarisation.</li> <li>Bed should be 1m width and conventional length.</li> <li>Application of FYM (1.5-2.0 kg/m²)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
			P N N	710



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			4, , 4
<b></b>			every alternative days.
Chilli	Nursery stage		Nursery preparation for tomato.
	1000		♣ Raised bed, nursery bed
	8 1	1 3	solarisation.
		5	Bed should be 1m width and
		KOLASIE	conventional length.
	6	0	+ Application of FYM $(1.5-2.0 \text{ kg/ m}^2)$
	)	60 J	Line sowing of seeds (7-10cm)
	S		<b>4</b> Irrigation must be provide to nursery
	5	A CONTRACTOR	every alternative days.
Tomato	Nursery stage	6 61	Nursery preparation for tomato.
	2		<b>4</b> Raised bed, nursery bed solarisation.
	/ MAINIT		<b>4</b> Bed should be 1m width and
	S.	AIZAWL 1	conventional length.
		Comentarie.	<ul> <li>Application of FYM (1.5-2.0 kg/ m²)</li> <li>Line sowing of seeds (7-10cm)</li> </ul>
	N N	1	<ul> <li>Irrigation must be provide to nursery</li> </ul>
	20	No all	every alternative days.
	1	Damping off	Seed treatment with thiram 3g/kg seed or
	2.0	2 mpmg on	Trichoderma viride 4g+ metalaxyl 4g
	12		(Apron)/ kg seed
		SERCHN	+ Drenching 1% Bordeaux mixture or 2 g
		Vila	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBE	ENDARY		at 10-15 bits are encenve.
Pig	All stages		Animals must keep in dry place or
8			kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3		animals.
		5	+ 1 st injection at 6 months of age and
		11 1	2nd injection at 12 months of age
			followed by annual vaccination under
		1 7 6 1	vet supervision against FMD.
		1 11 4	Reduce concentrate diet up to 5%.
			<ul> <li>Provide adequate potable water.</li> <li>In present weather conditions</li> </ul>
		Li manere avel	vaccinate against swine fever (Vaccines
		LAWNGTLAN	available in State Veterinary Departs).
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
	1		8   P a g e
		-	orage



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

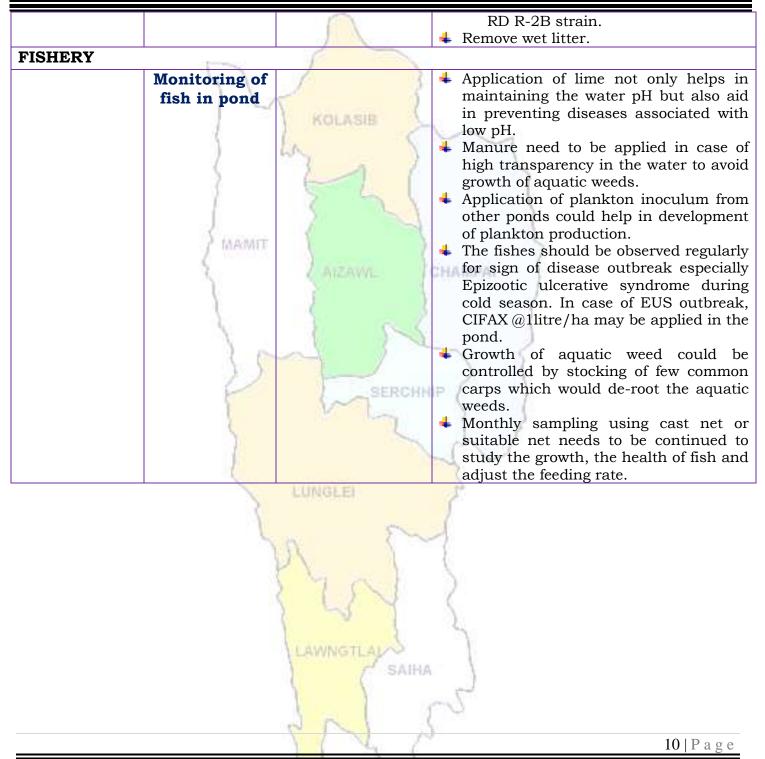


		0 1	
		Syndrome	
		(PRRS).	
Cattle	All age group	KOLASIB	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the widden(state)</li> </ul>
	8	SERCHN	udder/stomach/back legs should be teamed short.
Poultry	Litter	V~ Log	<ul> <li>Provide preventive dose of anti-coccidial</li> </ul>
	management		<ul> <li>drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7</li> </ul>



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)	<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		

### **Collaborating Department:**

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



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District: Mamit**

Period: 01 November - 05 November, 2017

#### Bulletin No: - 746/2017/ Bulletin/Mizo

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017	
Rainfall (mm)	0	0	5	5	0	
Max Temp (°C)	28	28	27	27	27	
Min Temp (°C)	14	14	13	15	14	
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	95	95	98	95	96	
Min RH (%)	33	38	96	97	73	
Wind Speed (KmpH)	2	2	4	3	3	
*Wind Direction	Е	Е	E	E	Е	
Northe	rly- N, North-E	Casterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-W	esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONS		-31, 2017 (Percent				
Aizawl- 384.87mm	<u> </u>		<mark>Saiha-</mark> 216.20 n		247.17mm	
(430.2mm)		301.30mm)	(367.7r	· · · · · · · · · · · · · · · · · · ·	(372.0mm)	
Lawngtlai-291.20mm			Mamit-197.57n	-	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)	
Weather summary	-	01 st Novembe	er – 05 th Nov	ember, 2017	' chhunga	
three day	s	sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):83-9 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-3 km/ Rainfall: 67.8 mm NDVI for Mizoram	8-19°C t 100% v 92% k heasterly r cloudy a	Fun ni 3 chhur nura beisei a ni. vawh lai ber in berin 95-98% le niin. Thli hi dar awi zawngin a tle nian khawthiang Weekl	Khua a lum lai 14-15°C ni tu h a hniam lai kar khatah 2-4 ch rin a ni. A tl g tak hmuh bei <b>y cumulative</b> Moderately conditions	berin 27-28ºC 1ra beisei a ni berin 33-97% 4 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>	
		114	~		1   Page	



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

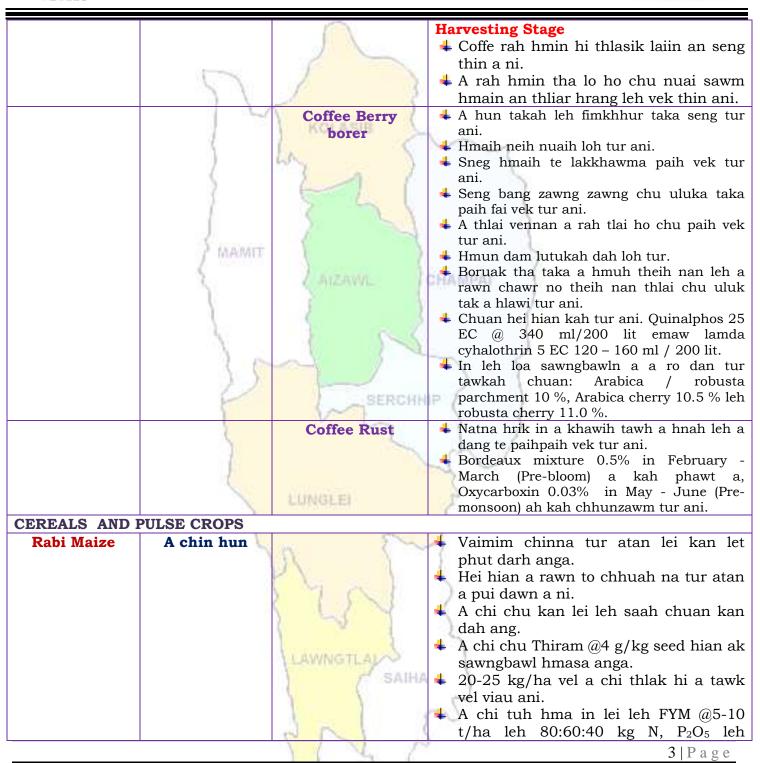


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah dahkhawm tur ani.
LIME	)	La l	4 Thlai naupang deuah chuan chawlh
	(	3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 2	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	30	2 ATZAWAL 1	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V 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	2011/03/2011/1	Nursery stage
	1	1000	+ Thlai chi thlak hma in Azospirillum leh
		~ 5~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		The set V	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 alay alay
			<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	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>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		612 1	4   P a g e



#### ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPhytopthors blightImage: CapsicumImage: CapsicumImage: CapsicumPhytopthors blightImage: CapsicumImage: CapsicumImage: CapsicumSowing stageImage: CapsicumIm				
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.Thiai bhina 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 blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLine tur ani.A than a that theih nan nikhat danah tui pek hina tha a that theih nan nikhat danah tui pek hunah thalia bul vawn hnawn na tur ani.Carrot and radishSowing stageLine tur ani.A than a that theih nan nikhat danah tui pek hunah thalia bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageLine tur ani.A than a that theih nan nikhat danah tui pek hunah thalia bul vawn hnawn na tur siam tur ani.Line 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.Line tur ani.Thali hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		5	KOLASIB	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing 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 			AIZAWA	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>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>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.         Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			P 12 2	)



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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>
	{ MAIMIT	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 7	<b>6</b>   P a g e



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



	Preventive	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 n</li> </ul>
	measures	U-3 ** Week	<ul> <li><b>Kanklet</b> Disease- an plan ataliga in 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R₂B vaccine pek tur ani.</li> <li><b>B</b> complex with antibodies</li> </ul>
	{ memit	4 th weeks	Coccidiosis- Amprolium or coccidiostat
	1. 10.5571	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	Stocking and	AIZAWAL (	CHAMPAI ↓ Dil a chinai hman hian tui thur tur a
	monitoring (Sangha chhuah leh enkawl)		<ul> <li>veng mai nilovin, tuithur avang a natna lo awm thei lak atangin sangha a veng thei.</li> <li>Dil tui a fim lutuk avanga hnim lo to tur vennan leitha dilah hman thin tur a ni.</li> <li>Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan plankton tamna tui dil dang atangir dahluh thin tur ani.</li> <li>Sangha ten natna an kai leh kai loh enfiah reng thin tur ani. Sangha pan a lo awm anih chuan dil tuiah CIFAX @I litre/ha (hectare khat ah litre khat pawlh a a enkawl tur ani.</li> <li>Dil a hnim to tih rem nan common carp tlem a zawng chhuah thin ani a common carp te hian dil hnim zung atangin a phawi thin ani</li> </ul>
		2 NJ	710
			7   P a g e



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

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



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

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

#### **Collaborating Department:**

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



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



**District: Saiha** 

Period: 01 November - 05 November, 2017

Bulletin	No: -	746	/2017/	Bulletin/	English
					0

Date of issue: 31st October, 2017

		- 14 C	4.1		
Parameters	01.11.2017		03.11.2017	04.11.2017	05.11.2017
Rainfall (mm)	0	0	0	0	8
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	98	99	99
Min RH (%)	38	37	56	48	57
Wind Speed (KmpH)	4	4	4	4	2
*Wind Direction	E	E	E	E	E
Souther	ly- <mark>S</mark> , South-V	Easterly- N-E, Eas Westerly- S-W, We	sterly-W, North	-westerly- N-W.	
STATUS STATUS OF MO Aizawl- 384.87mm			Saiha- 216.20 n		247.17mm
(430.2mm)	-	(301.30mm)	(367.71) (367.71		(372.0mm)
Lawngtlai-291.20mm		· · · · · · · · · · · · · · · · · · ·	Mamit-197.57n	•	-247.35mm
(453.1mm)	Dungier	(371.4mm)	(376.0n	-	(301.8mm)
Weather summary	of the nast	<u> </u>		01 st Novembe	<u>``</u>
three day	· · · · · · · · · · · · · · · · · · ·		05 th Novemb		, 2011 10
Maximum Tem. (°C):1		There is a chan		· · · · · · · · · · · · · · · · · · ·	nevt 1 day
Minimum Tem. (°C):1		The maximum a	0	0	2
Maximum RH (%):95-		days may rang		±	
Minimum RH (%):71-9	000/				
Wind Direction: Sout		relative humidit			
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·	minimum may			
Wind speed: 2-3 km/		easterly with the clear will prevail	-	-	our. Partially
Rainfall: 31.9 mm		Weekl	y cumulative	rainfall: 08.0 1	mm
NDVI for Mizoram		Recht East Region 29 Auss 201	Moderately conditions	wet mildly dr	y/mildly wet
		5N2	S		1   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Moin Crowl	Store	Culturel	Agriculture 1 / Henticulture 1 / optime 1
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Flowering to	( )	<b>4</b> According to forecast and past weather
MANDARIN	fruiting stage	KOLASIE	record, probability of rain will be less
AND ACID	1	0	and temperature will be high. So
LIME	)	LA J	drainage channel shall be block the
BANANA	(	1 1	channel for maintain field moisture.
DANANA	5		4 Medium to young seedling should be
	E		support by bamboo stake.
			Use split dose of fertilizer for normal
STAR FRUIT	MAMIT		growth and development.
	C 00000000		♣ To increase the fruit set, spray 2, 4 – D ⓐ 20 ppm during flowering store. For
PLUM AND	5	( ARZAWL )	<ul> <li>(a) 20 ppm during flowering stage. For fruit retention, spray 2, 4 – D (a) 20 ppm</li> </ul>
PEACH		( ) ( )	or NAA @ 30 ppm after fruit set (marble
	S	5.	size).
	1	1 1	Use to high humidity, high
	) 6		temperature and less rainfall in hilly
	15		region of the district probability of leaf
	0	SERCHN	
		(~)	Hexaconazole $@ 1 \text{ ml}/10 \text{ lt of water.}$
	1	Citrus cancar	<b>4</b> Copper- based fungicides Copper Oxy
	)		Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a
	ale	Manuscreen	barrier against infection, but they will not
		LUNGLEI	treat an existing infection.
	5		<b>4</b> Control minor infections limited to a small
		5	area of the tree by pruning away the
		A N	affected parts.
			Severely infected trees should be destroyed
		1701	to prevent infecting healthy trees nearby.
		Citrus leafminor	4 Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or
		LANDART TAXA	dimethoate 2 ml /1 at 50% egg hatching
		LAWNGTLAUS	stage when 1 st instars predominate which coincides with I Fortnight of July.
Passion Fruit	Harvesting	C SAIHA	Slightly purple coloured fruits along
r ussion riuit	stage		with a small portion of stem / pedicel
	~~~5~	1 = 1	should be picked up.
		6 1 1	
			2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

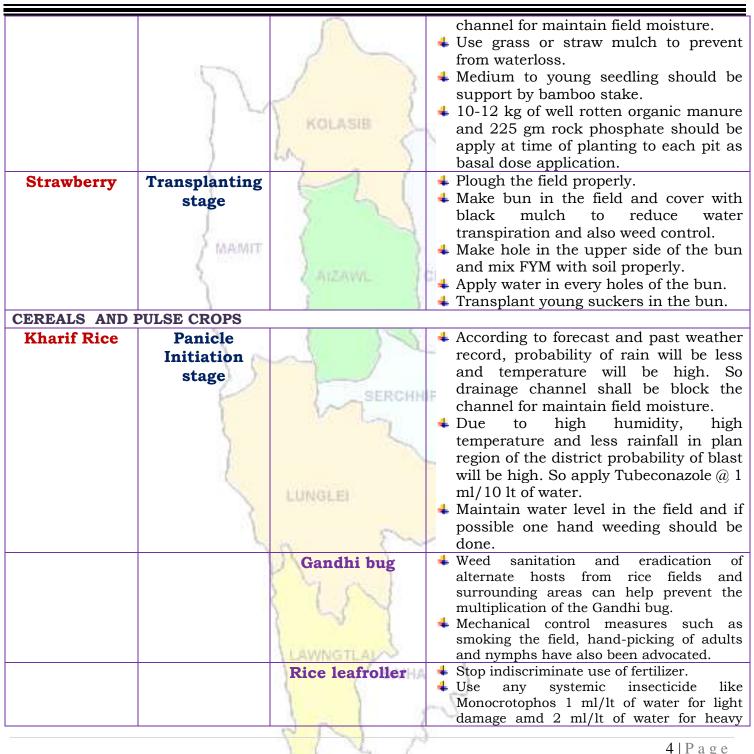


PLANTATION C		Fruit fly	 The fruits should be marketed quickly to prevent loss in weight and their appearance. The rind becomes wrinkled on drying but the pulp remains in good condition for several days. Collect and burn all infected plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
COFFEE	Fruiting stage	LUNGLEI	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings. Fertilizer dose should be maintained. Fruiting stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
	5	A.M	 Spray lantana camera leaf paste around 3 kg/16 lt water which will give effective control against drought condition. Due to high humidity, high
		LAWNGTLAN	temperature and less rainfall in hilly region of the district probability of rust will be high. So apply Hexaconazole @ 1 ml/10 lt of water.
Rubber	Vegetative stage	SAIHA	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the
		VIV P	3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



		12	damage.
Rabi Maize	Sowing stage	KOLASIB	 damage. Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like
Zero tillage Greengram and blackgram	Sowing	Zero tillage	 Chloropyrophos @ 1ml per kg of seed. Clean all debris from the <i>jhum</i> field. Open the furrow with of dao or dibbler or khurpee. Put recommended fertilizer dose and mix with soil. Place two to three seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.
Zero tillage Soybean cultivation in Jhum	Germination stage	Zero tillage	 Thinning must be done where more population was observed. Apply 2% urea solution for better growth. Weeding and earthing up should be carried out.
Zero tillage Toria	Sowing stage		 Due to availability of soil moisture in field, land preparation should be started for toria after rice harvest. It can be grown better in loamy soils having adequate provision of drainage. Clean all debris from the field. Open the furrow with of dao or dibbler or khurpee. Put recommended fertilizer dose and mix with soil. Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.
			4 Sow certified seeds from a reliable



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		0	source to prevent seed rot and seedling
EGETABLE CR			blight (M-27, TS-36 and TS-38).
Ginger and turmeric	Vegetative stage	KOLASIB	 According to forecast and past weather record, probability of rain will be less and temperature will be high. S drainage channel shall be block the channel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high. Apply insecticide like imidacloprid 0. ml or phosolone 1.5 ml or acephate 1. g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withhele to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signalin the time for harvesting the corms. Harvesting is done by carefull uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all th suckers may be wrapped around th base of the mother plant and covered with soil by earthing up, for arrestin further vegetative growth and sproutin of tubers.
Early cole crop	Nursery stage	Land preparation Damping off	 Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Seed treatment with thiram 3g/kg seed
		201	or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
			6 P a g e



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		0	
			✓ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of
		E A	water at 10-15 DAS are effective.
Colocasia	Harvesting	1	4 After this, irrigation has to be withheld
	stage	- 5	to hasten maturity.
		V MALERINA (Leaves have started turning yellow and
		KOLASIB	some of them have fallen off, signaling
		Lo S	the time for harvesting the corms.
	1	~ 7 ~ 7	Harvesting is done by carefully
	2		uprooting the plants and the mother
	2	5 5	corms and cormels are separated.
	1	5 51	4 One month prior to harvest, all the
	120	1	suckers may be wrapped around the
	J' MAMIT		base of the mother plant and covered
	S.	ANZAWIL 1	with soil by earthing up, for arresting
		Concerne 1	further vegetative growth and sprouting
		5	of tubers.
Early cole	Nursery stage	Land	 ✓ Nursery preparation for cabbage,
crop		preparation	cauliflower, broccoli and knolkhol.
	0 6		🚽 🗍 Raised bed, nursery bed
	101		solarisation.
	0	SERCHN	Bed should be 1m width and
	5	V	conventional length.
	1		+ Application of FYM (1.5-2.0 kg/ m^2)
	0		Line sowing of seeds (7-10cm)
			Irrigation must be provide to nursery
			every alternative days.
Onion	Nursery stage	Poly house	+ Raised bed, nursery bed solarisation.
	3		+ Bed should be 1m width and
		5	conventional length.
		11 11-2	Application of FYM (1.5-2.0 kg/ m^2)
			Line sowing of seeds (7-10cm)
		1 7 61	+ Irrigation must be provide to nursery
			 every alternative days. Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		Lange margaretter and	(Apron)/ kg seed
		LAWNGTLAN	↓ Drenching 1% Bordeaux mixture or 2 g
		/ SAIHA	captan or 3 copper oxychloride/ lt of water
			at 10-15 DAS are effective.
French bean	Sowing stage		4 Variable, healthy, well mature and pure
		ARI	seeds should be sown.
		VIV /	7 P a g e
			, <u>1 4 5 0</u>



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		0	4 Optimum spacing for pole type 60 cm X
			30 cm.
			4 Before sowing seed should be treated
			with Rhizobium vermicompost@10
	2.1	1 2	t/ha.
Capsicum	Nursery stage	Poly house	4 Raised bed, nursery bed solarisation.
capsicum	Muisery stage	KOLASIB	4 Bed should be 1m width and
		(conventional length.
)	60 J	Application of FYM (1.5-2.0 kg/ m ²)
	S S	2 1 1	Line sowing of seeds (7-10cm)
	5		 Irrigation must be provide to nursery
	E.		every alternative days.
			Seed treatment with thiram 3g/kg seed on
	MAINIT		Trichoderma viride 4g+ metalaxyl 4g
	L 00000000	1	(Apron) / kg seed
	10	ARZAWIL /	+ Drenching 1% Bordeaux mixture or 2 g
		1	captan or 3 copper oxychloride/ lt of water
		1	at 10-15 DAS are effective.
Brinjal	Nursery stage	1 66	Nursery preparation for Brinjal.
	1.		🔸 Raised bed, nursery bed
			solarisation.
	12		4 Bed should be 1m width and
		SERCHN	conventional length.
	()	No long	4 Application of FYM (1.5-2.0 kg/
	5		m^2)
	1		Line sowing of seeds (7-10cm)
	1		Irrigation must be provide to nursery
		LUNGLEI	every alternative days.
Chilli	Nursery stage	and the second second	 Nursery preparation for tomato.
VIIII	nuisery stage	1994 C	Raised bed, nursery bed
	5	n 7~	solarisation.
		11	
			Bed should be 1m width and
		2 1 5 1	conventional length.
		55 7	+ Application of FYM (1.5-2.0 kg/ m^2)
			Line sowing of seeds (7-10cm)
		LAWNGTLAN	♣ Irrigation must be provide to nursery
		SAULA	every alternative days.
Tomato	Nursery stage	((Shink	Nursery preparation for tomato.
			4 Raised bed, nursery bed solarisation.
			Bed should be 1m width and
		6 5	
			8 P a g e



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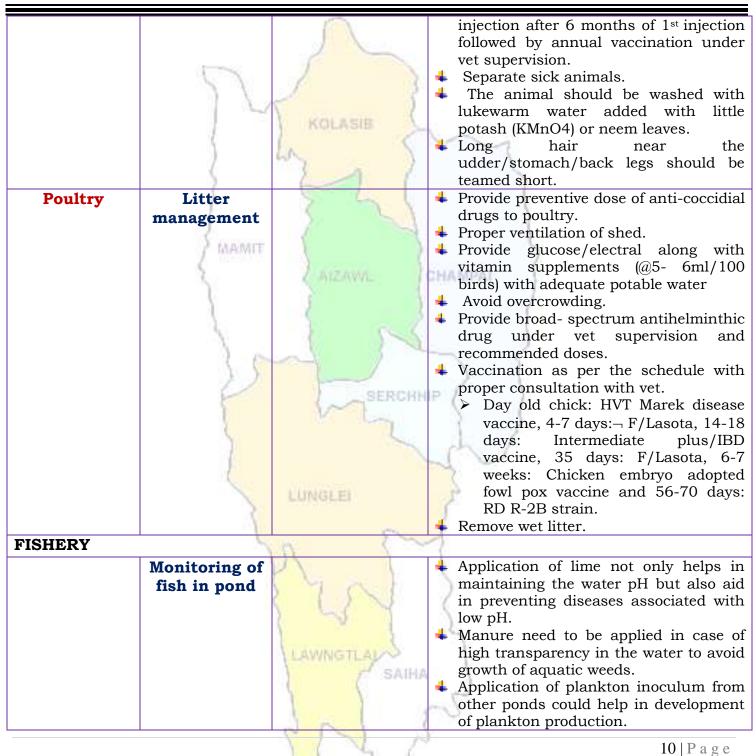


ICAR			
	7	Damping off	 conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBE			
Pig	All stages	Anzawa SERCHA Porcine Reproductive Pespiratory	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st 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). Culling of positive pigs or piglets.
		Respiratory	1
	3	Syndrome	<u></u>
Cattle	All age group	(PRRS).	in feed
			¹ st injection at 6-8 weeks of age, 2nd
		C N	
		I LA C	9 P a g e



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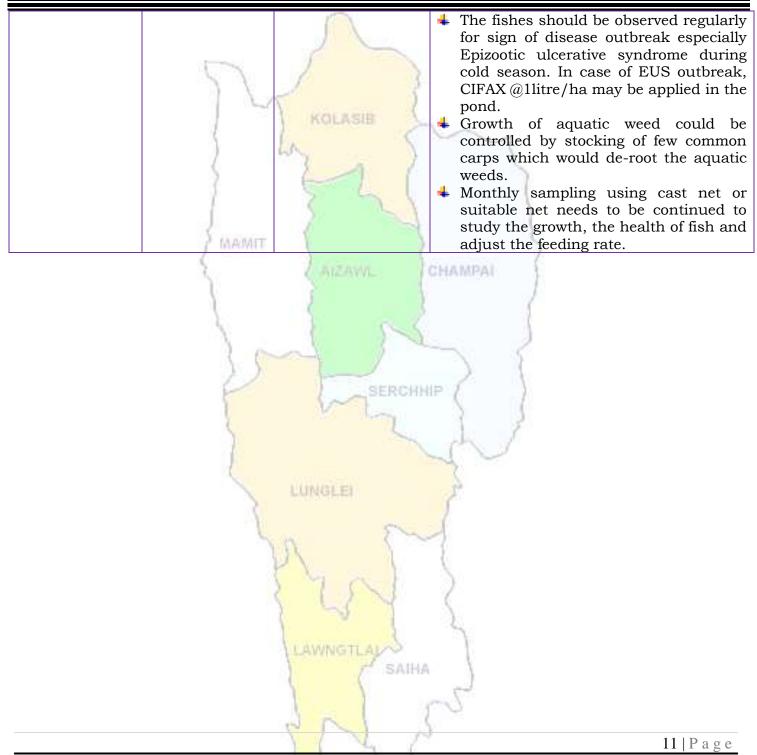






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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	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 kvksaiha@gmail.com KVK, Saiha 8974656509 : Head & Sr. Scientist Dr. Samuel Lalliansanga KVK, Mamit : kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : Head & Sr. Scientist kvkaizawl@rediffmail.com



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





District: Saiha

Period: 01 November - 05 November, 2017

Bulletin No: -	746/2017/	Bulletin/Mizo
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Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017
Rainfall (mm)	0	0	0	0	8
Max Temp (°C)	29	29	29	28	28
Min Temp (°C)	16	16	15	15	15
Cloud Coverage	Clear sky	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	98	99	99
Min RH (%)	38	37	56	48	57
Wind Speed (KmpH)	4	4	4	4	2
*Wind Direction	E	E	E	E	E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	
			/esterly-W, Nort		
STATUS OF MONS					
Aizawl- 384.87mm		<mark>i-</mark> 268.78mm	Saiha- 216.20		- 247.17mm
(430.2mm)		(301.30mm)	(367.7	•	(372.0mm)
Lawngtlai-291.20mm	Lunglei	-370.28mm	Mamit-197.57		p-247.35mm
(453.1mm)		(371.4mm)	(376.0)		(301.8mm)
Weather summary of		01 st Novem	ber – 05 th Nov	vember, 201 '	7 chhunga 🛛
three day	S	sik l	leh sa dinhm	un tur tlang	pui
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):95- Minimum RH (%):71-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 2-3 km/ Rainfall: 31.9 mm	1-13°C 98% 90% heasterly cloudy	tura beisei a ni vawh lai ber i berin of 99% le Thli hi darkar zawngin a tleh hian khawthiar	ang lo awm tun . Khua a lum la n 15-16°C ni t h a hniam lai b khatah 2-4 kn rin a ni. A tla ng tak hmuh be cly cumulative	i berin 28-29°C ura beisei a n erin 38-56% ni n vela chakin o ingpuiin tun n isei a ni. rainfall: 08.0	2 a ni ang a. A i. RH san lai tur a rin niin. chhaklam awi i nga chhung mm
NDVI for Mizoram		Perfi Las Report	conditions	v wet mildly d	ry/mildly wet



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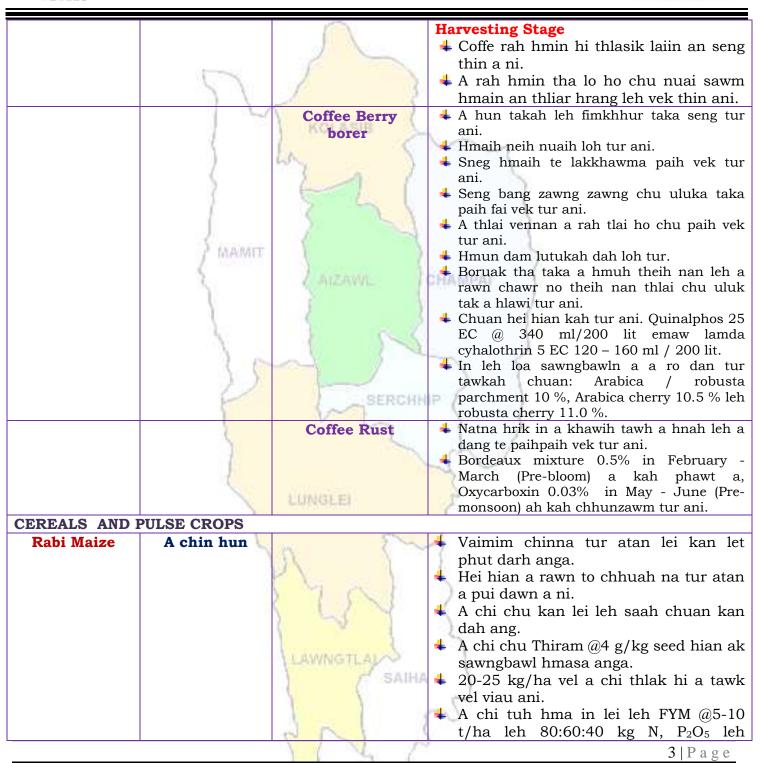


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI	A kui atanga	2 1	4 Thlasik laia thlai bul khoro lutuk tur				
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul				
AND ACID	9	1 monorione 7	velah dahkhawm tur ani.				
LIME)	LA.	4 Thlai naupang deuah chuan chawlh				
	(3 4 1	kar tin a tui pek thin tur ani.				
BANANA	1		4 Leia tha mamawh tawk a hmuh				
	1	2 2 1	theihna turin a hmunhma a hnim awm				
			te thlawhfai thin tur ani.				
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha				
	1 menut	1	taka pek hian a rah tla tur chelh nan				
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah				
PEACH			keh tur lakah t a veng thei ani.				
PEACH		O	4 Temperture hniam lutuk leh hnawng vang				
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna				
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh				
	60	greening and Dieback	a trangah te hnawih tur ani.				
		Fruit fly	Huan zau takah chuan a par tan tirh leh a				
		FIGHC HYERCHN	rah tan tirin chawlhkar hnih chhung chu				
	1	N Long	heng te hian enkawl tur ani: carbaryl 0.2				
	5		percent emaw malathion 0.15 percent				
	1		suspension containing sugar or jeggery at				
	0.7		10 g/l.				
PLANTATION CR		LUNGEEN	NT				
COFFEE	All stages		Nursery stage				
	1	550	Thlai chi thlak hma in Azospirillum leh				
	2	n (~~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun 				
			zawl/rualrem 1.5 - 2.5 cm a in hlatin				
		1 7 K 1	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.				
		A second s	 Nitin tui pek tur ani a, a sat lutuka loh 				
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur				
		/ SAIHA	ani.				
			4 Ni 45 hnu velah a tiak thin a,chu chu				
		1	bag ah an sawn chhuak leh thin ani.				
2 P a g e							



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ICAR			
	2	$\sum_{i=1}^{n}$	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	 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 CRO	Sowing stage	AIZAWL SERCHH	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
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	LAWNGTLAN	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring yawm khawm bi tui pak
		SAIHA	 hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



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Onion and capsicumNursery stagePoly houseThai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly house4 A than a that theih nan nikhat danah tui pek thin tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawn knawn hi tui pek zawhab dah tur ani.4 A than a that theih nan nikhat danah tui pek tain tur ani.Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Aprony) kg seed hi a tha he ani et a than eani.French beanSowing stage4 A than a that theih nan tui pek han a tui liter 1 hi 10-15 DAS a pek hi a thah he ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek a nihanah hringa khuh tur ani a. than a that theih nan nikhat danah tui pek a nihanah hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hanah ha hil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hanah ha hil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Tui pek hnuah thiai bul vawn hnawn na tur siam tur ani.4 A than a that heih nan hikhat danah tui pek hnuah thiai bul vawn hnawn na tur siam tur ani.Thia han lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.				
capsicumtuì pek thin tur ani.tuì pek thin tur ani.Thiai biu Jawn hnawn nana thlai bula hnim ring vawn khawm hi tuì pek zawhah dah tur ani.Thiai biu Jawn hnawn nana thlai bula hnim ring vawn khawn hi tuì pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageFrench beanSowing stageCarrot and radishSowing stageLarot and radishS	Onion and	5	KOLASIB	 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 stageImage: Carrot and radishCarrot and radishSowing stage			AIZAWAL	 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.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		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 pek hi a tha hle ani.
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 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
5 Page			N N	<u>p</u>



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	50	\sum	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	10	U-J WCCK	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	6A)		a puitlingh chuan R_2B vaccine pek tur
	5	2 1		ani.
	5		4	B complex with antibodies
		4 th weeks	4	Coccidiosis - Amprolium or
			-	coccidiostat
	P MAGNIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	5		014.0	
FIGHERI	Oto oleiner av 1	A CONSECTOR	22.045	Dil a chinai hman hian tui thur tur a
	Stocking and	1	-	veng mai nilovin, tuithur avang a natna
	monitoring	3 all		lo awm thei lak atangin sangha a veng
	(Sangha			thei.
	chhuah leh	~ / /	4	Dil tui a fim lutuk avanga hnim lo to
	enkawl)		—	tur vennan leitha dilah hman thin tur a
	P	SERCHN	P	ni.
	1	V	4	Dil tui fim lutuk ah chuan sangha
				chaw (plankton) a lo insiam theihnan,
			11	plankton tamna tui dil dang atangin
	J.		24	dahluh thin tur ani.
	100	(Challen en)	4	Sangha ten natna an kai leh kai loh
	5	LUNGLEI	12	enfiah reng thin tur ani. Sangha pan a
			1	lo awm anih chuan dil tuiah CIFAX @1
		w En	1	litre/ha (hectare khat ah litre khat)
			18	pawlh a a enkawl tur ani.
	8	Charles I	+	Dil a hnim to tih rem nan common carp
		2 1 5 1	2	tlem a zawng chhuah thin ani a,
		1 55 4	- 8	common carp te hian dil hnim zung
			2	atangin a phawi thin ani
		LAWNGTLAL	+	Sangha hriselna, a than dan leh a chaw
		- SAIHA		pek zat tur hriatna turin thla tin a
		((sangha man a a rihzawng enfiah zel tur
			1	ani.
		2010		e
			-	7 P a g e
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. 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

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 01 November - 05 November, 2017

Date of issue: 31st October, 2017

Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017	
Rainfall (mm)	0	0	5	5	0	
Max Temp (°C)	28	28	27	27	27	
Min Temp (°C)	14	14	13	15	14	
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	100	100	91	99	99	
Min RH (%)	33	31	45	79	79	
Wind Speed (KmpH)	4	4	4	4	2	
*Wind Direction	E	N-E	E	N-E	N-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
		1-31, 2017 (Percent				
Aizawl- 384.87mm	-		<mark>Saiha-</mark> 216.20 n		247.17mm	
(430.2mm)		(301.30mm)	(367.7r		(372.0mm)	
Lawngtlai-291.20mm	Lunglei		Mamit-197.57n	· · · · · · · · · · · · · · · · · · ·	-247.35mm	
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forec		01 st Novembe	r, 2017 To	
three day		05 th November, 2017.				
Maximum Tem. (°C):1		There are chances of light rainfall during the next 2 days.				
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5 days may range for 27-28°C and 13-15°C. Maximum relative humidity is expected in the range of 91-100% and minimum may from 33-79%. Wind direction would be easterly to northeasterly to easterly and northeasterly with the wind speed of 2-4 km per hour. Mainly clear will				
Maximum RH (%):94-	98%					
Minimum RH (%):74-						
Wind Direction: Sout	heasterly					
Cloud cover: Mainly of	cloudy					
Wind speed: 2-4 km/						
		prevail during the next five days.				
Rainfall: 48.6 mm		prevan during th	c next net uay	5.		
		Weeld	u oumulativo	rainfall: 10.0 1	~ ~	
		weeri		_		
NDVI for Mizoram		North East Region (3) June 2017	5	wet mildly dr	y/mildly wet	
		AB	conditions			
			and Miles et			
			and band			
		Aprilatione region in good some from at the parts from them				
		Travel and Vegladed whereas moderate rights is notical to of the region.	7. (A. 1997)			
		IN IN I				
		VIN	12		1 Page	



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Main Oren /	Store	Cultural	Agriculture 1 / Henticulture 1 / estimat
Main Crop/ Animal	Stage		Agricultural / Horticultural / animal
		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	Flowering to	5	4 According to forecast and past weather
MANDARIN	fruiting stage	KOLASIB	record, probability of rain will be less
AND ACID	1	(and temperature will be high. So
LIME)	~~)	drainage channel shall be block the channel for maintain field moisture.
BANANA	S		4 Medium to young seedling should be
DAMAMA	5	State La	support by bamboo stake.
		6 64	Use split dose of fertilizer for normal
STAR FRUIT			growth and development.
STARTROIT	/ MAMIT		\blacksquare To increase the fruit set, spray 2, 4 – D
	C married) astrony	a 20 ppm during flowering stage. For
PLUM AND	1	(AIZAWIL)	fruit retention, spray 2, 4 – D @ 20 ppm
PEACH	8	5 5	or NAA @ 30 ppm after fruit set (marble
	50	Sec. and	size).
	1		4 Due to high humidity, high
	2 6	~ 1 ~	temperature and less rainfall in hilly
			region of the district probability of leaf
		SERCHN	rust will be high. So apply
		V	Hexaconazole $@1 \text{ ml}/10 \text{ lt of water.}$
	1	Citrus cancar	Copper- based fungicides Copper Oxy
			Chloride 50%WP @ 2g/lt or bactericides
			Blitox 50 WG @ 0.01g/lt can provide a
	1000	N/H/INCOM	barrier against infection, but they will not
	S	LUNGLEI	treat an existing infection.
	1		+ Control minor infections limited to a small
		m 82	area of the tree by pruning away the
		1	affected parts.
		the set 1	Severely infected trees should be destroyed
			to prevent infecting healthy trees nearby.
		Citrus leafminor	Apply insecticide like imidacloprid 0.5 ml or
		and butterfly	phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml (1 at 50% erg batching
		LAWNGTLAL	dimethoate 2 ml /l at 50% egg hatching stage when 1 st instars predominate which
		- SAIHA	coincides with I Fortnight of July.
Passion Fruit	Harvesting	((Salha	4 Slightly purple coloured fruits along
	stage		with a small portion of stem / pedicel
	Ŭ	1 2 1 1	should be picked up.
			2 P a g e



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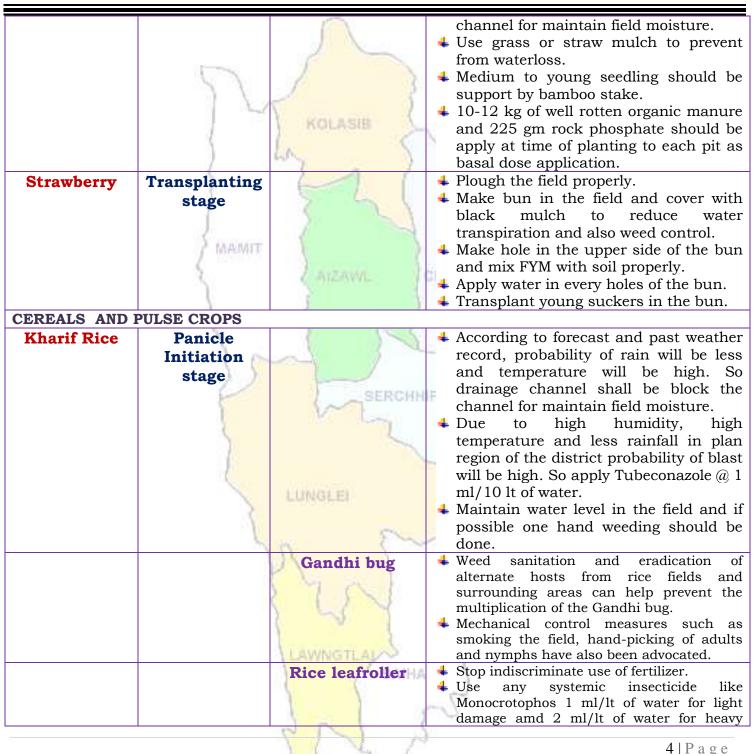


	Fruit fly	 The fruits should be marketed quickly to prevent loss in weight and their appearance. The rind becomes wrinkled on drying but the pulp remains in good condition for several days. Collect and burn all infected plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
PLANTATION CROP		
COFFEE Fruiting s	tage AIZAML	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So drainage channel shall be block the channel for maintain field moisture. Replanting of new seedling
		• Medium to young seedling should be
	not site	support by bamboo stake.
		4 Replace dead plant with young
6	SERCHN	
		4 Fertilizer dose should be maintained.
		Fruiting stage
		4 Foliar application of Mepiquat chloride
	15	a) 1000 PPM concentration or 0.75%
	NIL INCOMENTATION	SSP @ 1.5 g per 200 lt of water 15 days
	LUNGLEI	interval.
	1	4 Spray lantana camera leaf paste
		around 3 kg/16 lt water which will give
	131	effective control against drought
		condition.
	2 1 5 1	Due to high humidity, high temperature and loss rainfall in hilly
	1 55 7	temperature and less rainfall in hilly region of the district probability of rust
		will be high. So apply Hexaconazole @ 1
	LAWNGTLAL	ml/10 lt of water.
Rubber Vegetat		According to forecast and past weather
stage		record, probability of rain will be less
		and temperature will be high. So
	NR I	drainage channel shall be block the
		3 P a g e



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Dahi Maira			domogo
Rabi Maize	Sowing stage	KOLASIB	 damage. Due to availability of soil moisture in field, land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. If anyone want to sow local winter variety maize seeds. Seed treatment is required to prevent from ant like Chloropyrophos @ 1ml per kg of seed.
Zero tillage Greengram and blackgram	Sowing MT	Zero tillage	 Clean all debris from the <i>jhum</i> field. Open the furrow with of dao or dibbler or khurpee. Put recommended fertilizer dose and mix with soil. Place two to three seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.
Zero tillage Soybean cultivation in Jhum	Germination stage	Zero tillage	 Thinning must be done where more population was observed. Apply 2% urea solution for better growth. Weeding and earthing up should be carried out.
Zero tillage Toria	Sowing stage		 Due to availability of soil moisture in field, land preparation should be started for toria after rice harvest. It can be grown better in loamy soils having adequate provision of drainage. Clean all debris from the field. Open the furrow with of dao or dibbler or khurpee. Put recommended fertilizer dose and mix with soil. Place six to eight seeds per pocket with 30 cm row to row and 15 cm plant to plant distance.
			plant distance. Sow certified seeds from a reliable



ICAR RESEARCH COMPLEX FOR NEH REGION



			source to prevent seed rot and seedling blight (M-27, TS-36 and TS-38).
EGETABLE CR	POP		blight (m-27, 10-00 and 10-00).
Ginger and turmeric	Vegetative stage	KOLASIB AIZAWL	 According to forecast and past weather record, probability of rain will be les and temperature will be high. Such annel for maintain field moisture. Earthing up soil near the base of the plant along with fertilizer for better growth and development. Due to high humidity, probability of shoot borer infestation will be high Apply insecticide like imidacloprid 0.1 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Colocasia	Harvesting stage	LUNGLEI	 After this, irrigation has to be withhele to hasten maturity. Leaves have started turning yellow and some of them have fallen off, signalin the time for harvesting the corms. Harvesting is done by carefull uprooting the plants and the mother corms and cormels are separated. One month prior to harvest, all th suckers may be wrapped around th base of the mother plant and covered with soil by earthing up, for arrestin further vegetative growth and sproutin of tubers.
Early cole crop	Nursery stage	Land preparation	 Nursery preparation for cabbage, cauliflower, broccoli and knolkhol. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days.
			4 Raised bed, nursery bed solarisation.



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	7	KOLASIB	 Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Sowing stage	AIZAWL	 Variable, healthy, well mature and pure seeds should be sown. Optimum spacing for pole type 60 cm X 30 cm. Before sowing seed should be treated with Rhizobium vermicompost@10 t/ha.
Capsicum	Nursery stage	Poly house	 Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery every alternative days.
	2		 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
Brinjal	Nursery stage		 Nursery preparation for Brinjal. Raised bed, nursery bed solarisation. Bed should be 1m width and conventional length. Application of FYM (1.5-2.0 kg/m²) Line sowing of seeds (7-10cm) Irrigation must be provide to nursery
		201	+ migation must be provide to nursery
		VI VI	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)



		1	every alternative days.
Chilli	Nursery stage		 Nursery preparation for tomato.
	Huisery stuge		 Raised bed, nursery bed
		λ	solarisation.
		1 3	Bed should be 1m width and
	had	KOLASIB	conventional length.
		NULASID >	Application of FYM (1.5-2.0 kg/ m ²)
)	La N	Line sowing of seeds (7-10cm)
	(3 4 /	 Irrigation must be provide to nursery
	1		every alternative days.
Tomato	Nursery stage	CDI	Nursery preparation for tomato.
			Raised bed, nursery bed solarisation.
	/ MAMIT		4 Bed should be 1m width and
	S	AIZAWAL 1	conventional length.
		Commentation -	 Application of FYM (1.5-2.0 kg/ m²) Line sowing of seeds (7-10cm)
	N N	1	 Irrigation must be provide to nursery
	10	3 al	every alternative days.
		Damping off	4 Seed treatment with thiram 3g/kg seed or
	1		Trichoderma viride 4g+ metalaxyl 4g
	12	or north	(Apron)/ kg seed
		SERCHN	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
	8	in the	at 10-15 DAS are effective.
ANIMAL HUSBE	NDARY	·	
Pig	All stages		4 Animals must keep in dry place or
	a contraction of the second se	MIN INSTANCE	kept in alleviated area and dry bedding
	5	LUNGLEI	(straw) to be provided to young animals.
	10	-	4 1 st injection at 6 months of age and
	5	n 2~	2nd injection at 12 months of age
		1	followed by annual vaccination under
		(March	vet supervision against FMD.
		$\langle \langle \rangle \rangle$	Reduce concentrate diet up to 5%.
		1 -4 1	Provide adequate potable water.
		1	4 In present weather conditions
		LAWNGTLAN	vaccinate against swine fever (Vaccines
		Porcine	available in State Veterinary Departs). 1. Culling of positive pigs or piglets.
		Reproductive	1. Cuming of positive pigs of piglets.
		Respiratory	
		Respiratory	0 LD
			8 P a g e

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



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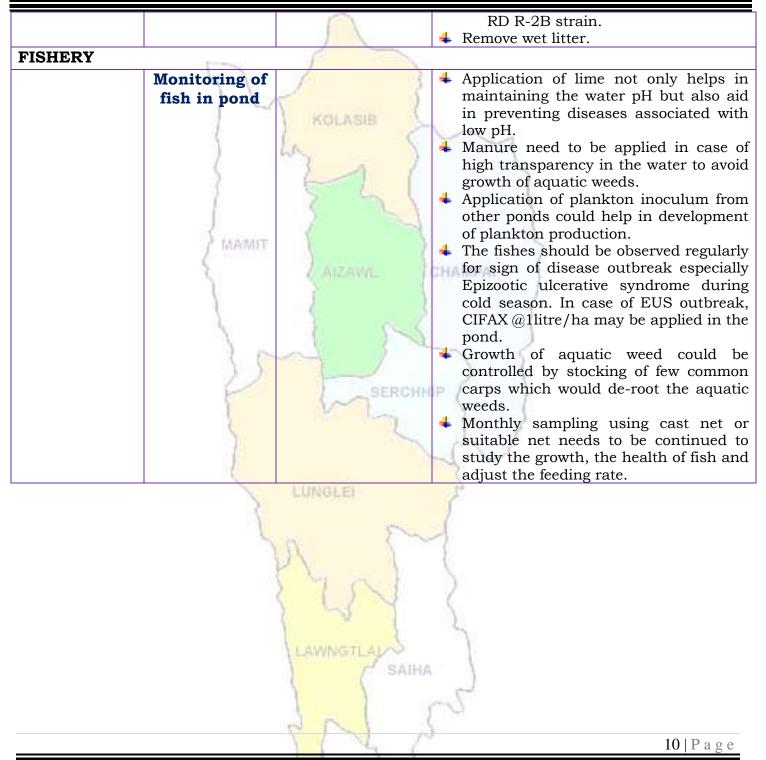


		Syndrome	
		(PRRS).	
Cattle	All age group	KOLASIB	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be
Poultry	Litter management		 teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad- spectrum antihelminthic drug under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18



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

Collaborating Department:

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

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 01 November - 05 November, 2017

Date of issue: 31st October, 2017

		00.11.0017				
Parameters	01.11.2017	02.11.2017	03.11.2017	04.11.2017	05.11.2017	
Rainfall (mm)	0	0	5	5	0	
Max Temp (°C)	28	28	27	27	27	
Min Temp (°C)	14	14	13	15	14	
Cloud Coverage	Clear sky	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	100	100	91	99	99	
Min RH (%)	33	31	45	79	79	
Wind Speed (KmpH)	4	4	4	4	2	
*Wind Direction	E	N-E	E	N-E	N-E	
Northe	rly- <mark>N</mark> , North-H	Casterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark>	,	
Souther	rly- <mark>S</mark> , South-W	/esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W	<i>I</i> .	
		-31, 2017 (Percent				
Aizawl- 384.87mm			Saiha- 216.20 r		b- 247.17mm	
(430.2mm)	<u> </u>	(301.30mm)	(367.71		(372.0mm)	
Lawngtlai-291.20mm		•	Mamit-197.57n		ip-247.35mm	
(453.1mm)		(371.4mm)	(376.0n		(301.8mm)	
Weather summary		<u> </u>	· · · · · · · · · · · · · · · · · · ·	/	<u> </u>	
three day	· · · · · · · · · · · · · · · · · · ·	01 st November – 05 th November, 2017 chhunga				
· · · · · · · · · · · · · · · · · · ·		sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):1	L8-20°C	Fun ni 2 chhur	ng lo awm tur	ah hian ruah	tui tla miahlo	
Minimum Tem. (°C):14-16°C		tura beisei a ni. Khua a lum lai berin 27-28ºC a ni ang a. A				
Maximum RH (%):94-98% Minimum RH (%):74-89%		vawh lai ber in 13-15°C ni tura beisei a ni. RH san lai berin 91-100% leh a hniam lai berin 33-79% ni tur a rin				
Cloud cover: Mainly						
Wind speed: 2-4 km/	hr ⁱ	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
······ ·······························	1	hian khawthiang tak hmuh beisei a ni.				
Rainfall: 48.6 mm						
		Weekly cumulative rainfall: 10.0mm				
NDVI for Mizoram			Moderately	wet mildly d	lry/mildly wet	
		North East Region 29 Aug 2017	conditions	wet minuty t	iry/iiiidiy wet	
		AB ====				
		29 ⁹				
		Aphatone agent is good over toos of the parts from the				
		Traces and Medicality analysis moderns regards to total in strate region	T.			
		V/ V	12		1 Page	



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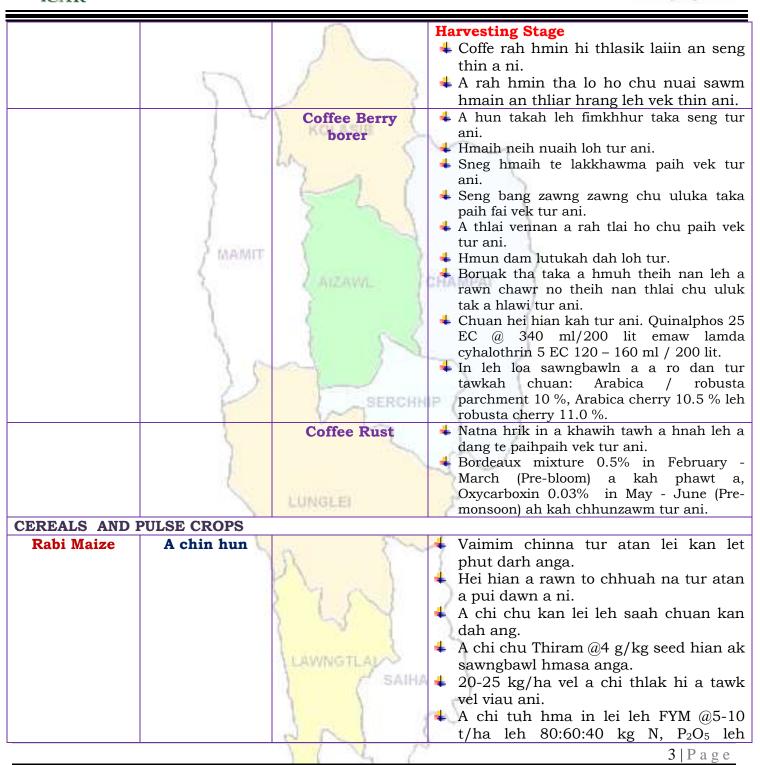


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur	
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul	
AND ACID		Contraction of the	velah dahkhawm tur ani.	
LIME)	LA N	4 Thlai naupang deuah chuan chawlh	
	(3 4 1	kar tin a tui pek thin tur ani.	
BANANA	1		4 Leia tha mamawh tawk a hmuh	
	1	2 2 1	theihna turin a hmunhma a hnim awm	
			te thlawhfai thin tur ani.	
STAR FRUIT	> MAMIT		4 A seng hma kar 6 chhung chu tui tha	
	1 menut	5	taka pek hian a rah tla tur chelh nan	
PLUM AND	3. C	ATZAWIL /	leh a rah than that nan te leh a rah	
			keh tur lakah t a veng thei ani.	
PEACH		0		
		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	
	50	greening and Dieback	a trangah te hnawih tur ani.	
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a	
		FILLE ILYERCHN	rah tan tirin chawlhkar hnih chhung chu	
	1		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	05	Thlai chi thlak hma in Azospirillum leh	
		5 (~~	Phosphobacterium a enkawl tur ani.	
			A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin	
		1 9 25-1	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.	
			 Nitin tui pek tur ani a, a sat lutuka loh 	
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur	
		J SAIHA	ani.	
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu	
			bag ah an sawn chhuak leh thin ani.	
2 P a g e				



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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 tui pak thia tur ani.
lentil toria, breen gram and black gram cultivation in rice fellow	A PARTA	"FL	 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	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
		NN A	4 P a g e



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			awm thin a , hei hi natna tlanglawn
			ber ani.
	1	f in	🖊 Thlai hna lam chi leh zikhlum lam
	21	1 3	chi reng reng enkawl nan Mancozeb
	1 1	5	@ 2gm ah tui leter 1 pawlha kah
	1 3	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum)	WA D	tui pek thin tur ani.
_	S S	2 1	🔸 Thlai bul vawn hnawn nana thlai bula
	3		hnim ring vawm khawm hi tui pek
		$C \rightarrow I$	zawhah dah tur ani.
		1	+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	5) astrong	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Dhutouthous	A chi ven that nan thiram 3g/kg seed
	1	Phytopthora	emaw Trichoderma viride 4g+ metalaxyl 4g
	- Sc.	blight	(Apron)/ kg seed hi a tha hle ani
			🖊 Hneh taka 1% Bordeaux chawhpawlh
	20	~ / /	emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a
French bean	Sowing stage	SERCHH	pek hi a tha hle ani. Tui pek a hnihnah hringa khuh tur ani
Flench Dean	Sowing stage	Veta	a. than a that theih nan tui pek hma
	5		in lei rin pan hmasak tur ani.
	10		4 A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish		55	tui pek thin tur ani.
		11 (~~	👎 Tui pek hnuah thlai bul vawn hnawn
		PN N	na tur siam tur ani.
		1 7 61	Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
		Company and the second second	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			🔨 pawlha kah tur ani.
		P 1 4	
			5 P a g e



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



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	5	\sum	 Tui an in tur chhawpna tur tha /liar 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 n
	measures	LA N	1-6 ah F1 vaccine pek tur ani a, chuar
	(3 4 1	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
		445 1	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium o:
	FILAPOMIT		coccidiostat
	Inserver v	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	3	ARZAWL	CHAMPAI }
	Stocking and	()	🔸 Dil a chinai hman hian tui thur tur a
	monitoring	Sec. 1	veng mai nilovin, tuithur avang a natna
	(Sangha	1 1	lo awm thei lak atangin sangha a veng
	chhuah leh		thei.
	enkawl)		+ Dil tui a fim lutuk avanga hnim lo to
		SERCHN	tur vennan leitha dilah hman thin tur a
		W-T	
			+ Dil tui fim lutuk ah chuan sangha
	0	1	chaw (plankton) a lo insiam theihnan
			plankton tamna tui dil dang atangir dahluh thin tur ani.
	S. Contraction	Managersy	Sangha ten natna an kai leh kai loh
		LUNGLEI	enfiah reng thin tur ani. Sangha pan a
	3		lo awm anih chuan dil tuiah CIFAX @:
		5	litre/ha (hectare khat ah litre khat
		A V	pawlh a a enkawl tur ani.
			Lil a hnim to tih rem nan common carr
		120 1 6	tlem a zawng chhuah thin ani a
		LIY	common carp te hian dil hnim zung
			atangin a phawi thin ani
		Contraction and Contraction	🔱 Sangha hriselna, a than dan leh a chav
		LAWNGTLAN	pek zat tur hriatna turin thla tin a
		- SAIHA	sangha man a a rihzawng enfiah zel tu
			ani.
			~~~
		P N N	
			7   P a g e



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

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



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

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

#### Collaborating Department:

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

LAWNGTLA SAIHA

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