

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: 02 December - 06 December, 2017

Bulletin	No: -	753,	/2017/	Bulletin/	English	
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Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	28	28	28	27	27		
Min Temp (°C)	12	12	12	11	11		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Partially clear	Mainly cloudy		
Max RH (%)	78	81	80	77	75		
Min RH (%)	39	34	31	31	29		
Wind Speed (KmpH)	3	3	3	4	4		
*Wind Direction	E	E	E	S-E	E		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
		1-31, 2017 (Percer			•		
Aizawl- 283.0mm	Champh	lai- 0.00mm	Saiha- 57.9 m		- 50.0mm		
(44.8mm)		(35.9mm)	(64.0m	· · · · · · · · · · · · · · · · · · ·	(34.8mm)		
Lawngtlai-135.3mm	Lungle		Mamit-231.0m		p-234.8mm		
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)		
Weather summary	-	Weather forec			er, 2017 To		
three day			06 th Decemb	er, 2017.			
Maximum Tem. (°C):1		There are no ch	ances of rainf	all during the	next 5 days.		
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5					
Maximum RH (%):85-		days may range for 27-28°C and 11-12°C. Maximum					
Minimum RH (%):55-		relative humidity	y is expected i	n the range of	75-81% and		
Wind Direction: Nort		minimum may	· _	0			
Cloud cover: Mainly of		easterly to south					
Wind speed: 2 km/hr	•	of 3-4 km per h	•	•	-		
		five days.	our. Cicar sky	win prevan du	ing the next		
Rainfall: 00.0 mm		nve uays.					
		Weeld	u oumulativo	$rainfall \cdot 00.0$	~ ~		
MIDIAL Company		weeki		rainfall: 00.0 1			
NDVI for Mizoram		North East Region 39 June 3917	5 5	condition oc	curs in all		
		13 mm	districts of	Mizoram.			
			and Miller et				
			and band				
		Agriculture region in good were most at the part increases we					
		Name and Meghalist science modern right is noticed to of the regime	7. (A. 1997)				
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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			•
KHASI	Fruiting stage	2 5	4 According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1) NULHOID	So weekly irrigation is required for
LIME		Lo.	upcoming week or use straw mulch
	1	1 . 1	reduces soil water loss.
BANANA	2		4 Collection of infected dropped fruit and
	1	2 5	buried in to soil.
	(2	4 Regular monitoring for trunk borer
STAR FRUIT	R.		infestation.
	/ MAMIT		4 Harvesting should be done along with
	5	AZAWIL	twig with two leaves.
PLUM AND		a mentioner of	+ Diseased and senile branches should be
PEACH	1	5	removed
	20	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
	1		or malathion 0.15 per cent suspension
	2 6		containing sugar or jeggery at 10 g/l at
	10)		fortnightly intervals at flowering and fruit
	0	SFRCH	initiation.
		Gummosis,	+ Due to low temperature and humidity
	2	citrus canker,	disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches
	3	citrus greening	protect healthy plant from soil borne
		and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LUNGLEI	4 According to forecast and past weather
	0		record, there is no probability of
		5	rainfall. So weekly irrigation is required
		n (~~	for upcoming week or use straw mulch
			reduces soil water loss.
		1 7 25	Replanting of new seedling
			4 Medium to young seedling should be
		1 -2 1	support by bamboo stake.
			4 Replace dead plant with young
		LAWNGTLAN	seedlings.
		/ SAIHA	4 Fertilizer dose should be maintained.
			Fruiting stage
			4 Foliar application of Mepiquat chloride
		ARI	@ 1000 PPM concentration or 0.75%
		VIN A	2 P a g e



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ICAR				
	$\sum_{i=1}^{n}$	KOLASIB	*	SSP @ 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 @ 1 ml/10 lt of water.
Rubber	Vegetative stage	AIZAWA. SERCHN		According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from water loss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry CEREALS AND I	Vegetative stage		4	Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.
Kharif Rice	Harvesting	2 1 5 2 1	4	Birds scaring ribbon should be used
	stage	LAWNGTLAL	4	for scaring the birds. Harvest all mature panicle to reduce bird damage. Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation
		R S A	-	and no till pea and mustard/ toria
		I L		3 P a g e



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1				
				sowing.
			4	After sun drying harvested paddy is 5
	A Research of the			recommended to be stored at \leq 14%
	1	1		moisture.
Rabi Maize	Vegetative	1 5	4	Thinning must be done where more
	stage	N		population was observed.
		KOLASIB	4	Irrigation should be provide 3 days
	1	E.	2	interval
	1	W7 2 1	4	Apply 2% urea solution for better
	>			growth.
	2	State	4	Weeding and earthing up should be
		5 51		carried out.
	2	1	4	Leaf and stem cutter insect will be
	/ MAMIT			more so apply any contact poison for
	6) and a little	12	reducing pest population.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage			provide water every alternate day.
and	Stuge	Sec. 1	4	Weeding should be done.
	1	1 1		Collection and destruction of damage
blackgram	0 6		-	plant or plant part and spraying of any
	1.5			systemic insecticide @ 2ml/lit should
	0	SERCHN	i to	be done.
		(~)	4	Apply 2% urea solution to avoid stress
	5	in the second		condition.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
Soybean	stage		-	provide water every alternate day.
cultivation in			4	Weeding should be done.
Jhum		LUNGLEI	4	Collection and destruction of damage
	3			plant or plant part and spraying of any
	1	000	-	systemic insecticide @ 2ml/lit should
		n (~~		be done.
			4	Apply 2% urea solution to avoid stress
		No se l		condition.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	2 -2 1		provide water every alternate day.
				Weeding should be done.
		LAWNGTLAL	+	Collection and destruction of Blister
		≓ SAIHA		beetles and spraying of Neem oil
				@3ml/lit should be done.
			e+	Apply split dose of fertilizer for better
		N R		growth.
			-	4 P a g e
				4 r a g e



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Ginger and	Vegetative		4 According to forecast and past weather
turmeric	stage		record, probability of rain will be les
		1	and temperature will be high. S
		2 3	drainage channel shall be block th
	had	V COLORING (channel for maintain field moisture.
		KOLASIB	+ Earthing up soil near the base of th
	1	LA.	plant along with fertilizer for bette
	(3 4 1	growth and development.
	2		+ Due to high humidity, probability of
	1	2 2 1	shoot borer infestation will be high
	. J.		Apply insecticide like imidacloprid 0.
	AMAMIT		ml or phosolone 1.5 ml or acephate 1. g or dimethoate 2 ml/lt of water.
Early cole	Transplanting	Land preparation	↓ Main land preparation for cabbage
crop	stage	Land preparation	cauliflower, broccoli and knolkhol
crop	Stage	1	✓ Plough the field 3-4 times.
	S	Sec. and	✓ Planting distance, plant to plan
	S	1 55	45 cm and row to row (60-70) cm
	2 6		✓ Application of FYM (1.5-2.0 kg
	1)		m2)
		SERCHN	
		What has a second secon	kg/ha.
	1	Damping off	4 Seed treatment with thiram 3g/k
		2 amping on	seed or Trichoderma viride 4g
	10 C	C.A	metalaxyl 4g (Apron)/ kg seed
		LUNGLEI	Drenching 1% Bordeaux mixtur
	3	1000/01/01/01/01	or 2 g captan or 3 coppe
	1	0	oxychloride/ It of water at 10-1
		n (~~	DAS are effective.
Onion	Nursery stage	Poly house	Plough the land to a fine tilth and form
		1 7 661	ridges and furrows at 45 cm spacing.
		(LIN	+ Sow the bulbs on both the sides of the
			ridges at 10 cm apart.
		LI DIMANETT ALLAS	4 In heavy soil it is usuall
		LAWNGTLAU	transplanted on ridges and durin
		(SAINA	the function and free advantageous t
			plant the seedlings on ridges.



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stage five days. So alternate irrigation should be done 2 days interval. Capsicum Transplant stage Poly house 4 Poly house 4 Chilli will be planted in well pulverized and leveled field. Brinjal Transplant stage Poly house 4 Brinjal Transplant stage Poly house 4 Brinjal Transplant stage Provide water every alternate day. Brinjal Transplant stage Brinjal will be normally planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Brinjal The transplanting is done in smalflat beds or in shallow furrow depending upon the availability or irrigation. In In heavy soil it is usually transplanted on ridges and durin				
French bean Germination stage Poly house Capsicum Transplant stage Poly house Transplant Poly house Brinjal Transplant Brinjal Transplant stage Stage Brinjal Transplant Stage Poly house Capsicum Transplant stage Poly house Chilli will be planted in wei pulverized and leveled field. Provide water every alternate day. Herinjal will be of 0 to 75 cm width. The transplant stage				day
stage five days. So alternate irrigation shoul be done 2 days interval. Capsicum Transplant stage Poly house Brinjal Transplant stage Chilli will be planted in we pulverized and leveled field. Brinjal Transplant stage Brinjal will be planted in very alternate day. Brinjal Transplant stage Brinjal will be planted in we pulverized and leveled field. Brinjal Transplant stage Brinjal will be planted in we pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Chilli The transplant in stage Brinjal will be normally planted in raised beds or in shallow furror depending upon the availability of irrigation. Chilli Transplant stage In heavy soil it is usuall transplanted on ridges and durin the rains also it is advantageous t plant the seedlings on ridges. Provide water every alternate day Chilli will be planted in we pulverized and leveled field. Chilli Transplant stage Chilli will be normally planted in raised beds of 60 to 75 cm width. Tomato Transplant Transplant will be planted in we pulverized and leveled field. Foride water every alternate day Chilli will be normally planted in raised beds of 60 to 75 cm width. Tomato Transplan		5	KOLASIB	 Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate
Stagepulverized and leveled field.BrinjalTransplant stage- Chilli will be normally planted in raised beds of 60 to 75 cm width.BrinjalTransplant stage- Brinjal will be planted in wei pulverized and leveled field.BrinjalTransplant stage- Brinjal will be normally planted in raised beds of 60 to 75 cm width.BrinjalTransplant stage- Brinjal will be normally planted in raised beds of 60 to 75 cm width.BrinjalTransplant stage- Brinjal will be normally planted in 	French bean		mg {	 Thinning must be done.
Brinjal Transplant stage # Brinjal will be planted in wei pulverized and leveled field. # Brinjal will be normally planted in raised beds of 60 to 75 cm width. # Brinjal will be normally planted in raised beds of 60 to 75 cm width. # The transplanting is done in smat flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usuall transplanted on ridges and durin the rains also it is advantageous to plant the seedlings on ridges. Chilli Transplant stage # Chilli will be planted in wei pulverized and leveled field. * Chilli will be normally planted in raised beds of 60 to 75 cm width. # Application of FYM (1.5-2.0 kg/ m ²) * Provide water every alternate day. Tomato Transplant # Tomato will be planted in wei	Capsicum	19.0		 Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²)
stage pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m² Tomato Transplant			my	 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability or irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day
Tomato Transplant 4 Tomato will be planted in we	Chilli	-		 Chilli will be planted in weil pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²)
		Transplant		
	Tomato	TTAIISVIAIIL		



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			4	Tomato will be normally planted in
			-	raised beds of 60 to 75 cm width.
	1000		+	The transplanting is done in small
	8 1	1 3		flat beds or in shallow furrow
		5		depending upon the availability of
		KOLASIE		irrigation.
	1		1	In heavy soil it is usually
)	60 J		transplanted on ridges and during
	5			the rains also it is advantageous to
	5	the second se		plant the seedlings on ridges.
	E.		4	Provide water every alternate day.
		Damping off	4	Seed treatment with thiram 3g/kg seed or
	AMAMIT	Dumping on		Trichoderma viride 4g+ metalaxyl 4g
	L massions	1	2005	(Apron)/ kg seed
	3.	ATZAWIL	4	Drenching 1% Bordeaux mixture or 2 g
		6 V		captan or 3 copper oxychloride/ lt of water
	a	5		at 10-15 DAS are effective.
Potato	Sowing stage	1 1	+	Prepare the land for potato cultivation
	0.0		-	without any further delay.
	10.5		+	This may help to avoid some bacterial
	0	SERCHN	e di	infection at growing stage. Land may be ploughed thoroughly for
		(~)		proper tillage.
	8		4	If land is prepared good quality of
	3		- 7	seeds may be collected for planting.
	118		-	Cultivation from TPS is also found
	1 A	All and the second s	- 7	profitable.
		LUNGLEI	- 4	Seed must be treated before sowing.
ANIMAL HUSBEN	IDARY			
Pig	All stages 👃	5	4	Animals must keep in dry place or
Ŭ		A Vie	1	kept in alleviated area and dry bedding
			12	(straw) to be provided to young
		1 7 6 1	0	animals.
			4	1^{st} injection at 6 months of age and
			2	2nd injection at 12 months of age
		1		followed by annual vaccination under
		LAWNGTLAN		vet supervision against FMD.
		SAIHA	+	Reduce concentrate diet up to 5%.
			-	Provide adequate potable water.
			-	In present weather conditions
		N N I		vaccinate against swine fever (Vaccines
				7 P a g e



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		and the second s	
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	
		Respiratory	
		Syndrome (PRRS).	
Cattle	All age group	KOLASIB AIZAWAL SERCHH	 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	All age group		 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.
		LAWNGTLAL	 Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet
		No CI II	
			8 P a g e



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

Guwahati)



District: Aizawl

Period: 02 December - 06 December, 2017

Bulletin No: -	753/2017/	Bulletin/Mizo
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Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017		
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*Wind Direction	E	E	E	S-E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
		1-31, 2017 (Percen					
Aizawl- 283.0mm	Champh	<mark>ai-</mark> 0.00mm	Saiha- 57.9 m		- 50.0mm		
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)		
Lawngtlai-135.3mm	Lunglei	-130.3mm	Mamit-231.0m		p-234.8mm		
(54.1mm)		(33.7mm)	(17.9m	f	(56.3mm)		
Weather summary of	of the past	02 nd Decembe	er – 06 th Dec	ember, 2017	' chhunga		
three day	s	sik leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):85- Minimum RH (%):55- Wind Direction: North Cloud cover: Mainly of Wind speed: 2 km/hr Rainfall: 00.0 mm NDVI for Mizoram	0-12°C 96% 68% heasterly clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 75-81% le niin. Thli hi dar awi zawngin a th hian khawthiang Weekl	Khua a lum lai 11-12°C ni tu th a hniam lai kar khatah 3-4 ch rin a ni. A tl g tak hmuh bei y cumulative Mildly dry districts of	berin 27-28°C ara beisei a ni berin 29-34% 4 km vela chak angpuiin tun n sei a ni. rainfall: 00.0r condition oc	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung nm		
		Aphanologi u post sue nes atras per la post trasse de langhenes veness recomers agus la recorda a strata region	7		1 P a g e		



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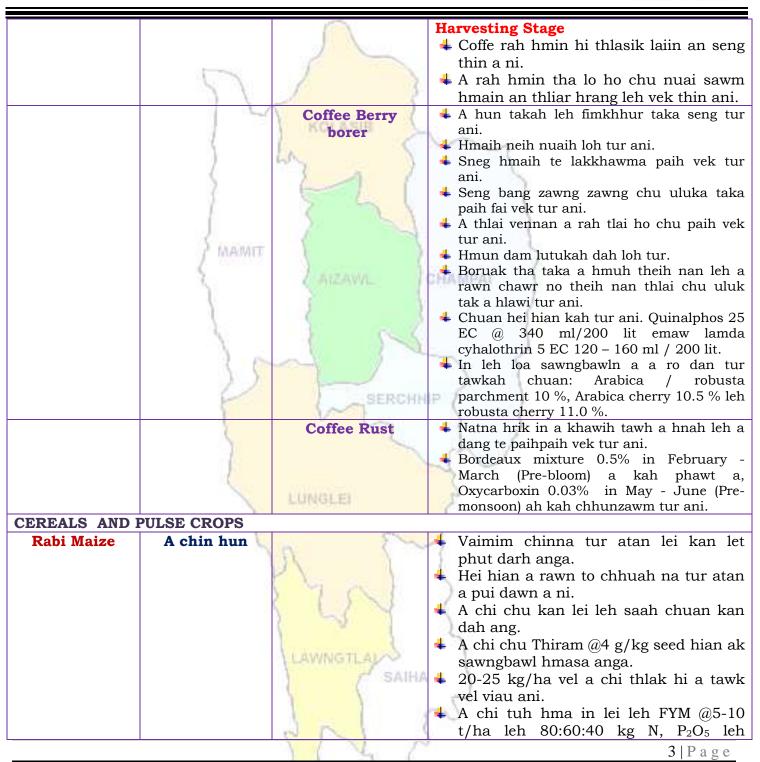


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 HOLMOID >	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
РЕАСП			The second secon
		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
	1	greening and Dieback	a trangah te hnawih tur ani.
	12		 Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	de la		suspension containing sugar or jeggery at
	11 C		10 g/l.
PLANTATION CR		LUNGE EI	
COFFEE	All stages	(The second s	Nursery stage
	1	(Ch.)	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		1 -5 1	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			↓ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		2010	sug an an sumi childax ich thin alli.
		V V A	2 Daga
		4 6	2 P a g e



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ICAR			
	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	 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	AIZAWAL	 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 vawm khawm hi tui pek
		SAIHA	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		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	100000	 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.
	AMAMIT	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	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga ni
	measures	LA.	1-6 ah F1 vaccine pek tur ani a, chuan
	(1 1	a puitlingh chuan R ₂ B vaccine pek tur
	2		ani.
		Atht	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
	AMAMIT		coccidiostat
		4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHAMPAI }
	Stocking and	1	븆 Dil a chinai hman hian tui thur tur a
	monitoring	Sec. 10	veng mai nilovin, tuithur avang a natna
	(Sangha	1 15	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
		V	ni. Dil tui fim lutule che chuch conche
	5		+ 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	Manuscriev.	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)
		AL 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 Li Y	common carp te hian dil hnim zung
			atangin a phawi thin ani
		LANDART TO AND	🔱 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	^v
		R 1 7	710
1		4 6	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)



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LAWNGTLA SAIHA

8 | P a g e



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

Guwahati)



District: Champhai

Period: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	27	27	26	
Min Temp (°C)	13	12	12	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Partially clear	Mainly cloudy	
Max RH (%)	75	77	80	84	84	
Min RH (%)	33	26	23	30	33	
Wind Speed (KmpH)	4	4	4	4	4	
*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> ,		
		Westerly- <mark>S-W</mark> , We				
		1-31, 2017 (Percer				
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m		- 50.0mm	
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)	
Lawngtlai-135.3mm	Lungle		Mamit-231.0m		p-234.8mm	
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)	
Weather summary	-	Weather forec			er, 2017 To	
three day		06 th December, 2017.				
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):72- Minimum RH (%):55-	0-12ºC 88%	There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27°C and 11-13°C. Maximum relative				
Wind Direction: North Cloud cover: Mainly of Wind speed: 2 km/hr	heasterly clear	humidity is expected in the range of 75-84% and minimum may from 23-33%. Wind direction would be easterly with the wind speed of 4 km per hour. Mainly clear will prevail during the next five days.				
Rainfall: 00.0 mm		Weekly cumulative rainfall: 00.0 mm				
NDVI for Mizoram		North East Region (2) Anno 2017	districts of	condition oc Mizoram.	curs in all	
		512	12		1 Page	



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	<u> </u>	0 11 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	8 5	4 According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	6	So weekly irrigation is required for
LIME)	LA.	upcoming week or use straw mulch
DANANA		1 1	reduces soil water loss.
BANANA	1		4 Collection of infected dropped fruit and
	£		buried in to soil.
			4 Regular monitoring for trunk borer
STAR FRUIT	MAMIT		infestation.
	C DESCRIPTION		+ Harvesting should be done along with
PLUM AND	1.	A ATZAWIL	twig with two leaves. Diseased and senile branches should be
PEACH	1		Diseased and senile branches should be removed
	<u> </u>	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
	S	Fruit ily	or malathion 0.15 per cent suspension
	1	N 3 N	containing sugar or jeggery at 10 g/l at
	10.5		fortnightly intervals at flowering and fruit
	12	STROUGH STROUGH	initiation.
		Gummosis,	+ Due to low temperature and humidity
	8	citrus canker,	disease appearance will more. Use Bordeaux
	2	citrus greening	past in tree trunk, twigs and branches protect healthy plant from soil borne
		and Dieback	disease.
PLANTATION CR	OP		aboutori
COFFEE	Fruiting stage	LUNGLEI	4 According to forecast and past weather
			record, there is no probability of
	1	5	rainfall. So weekly irrigation is required
		11 11-2	for upcoming week or use straw mulch
			reduces soil water loss.
		125 6 1	Replanting of new seedling
			4 Medium to young seedling should be
			support by bamboo stake.
		Second and a second second	4 Replace dead plant with young
		LAWNGTLAN	seedlings.
		SAIHA	
			Fruiting stage
			Foliar application of Mepiquat chloride
		A R	@ 1000 PPM concentration or 0.75%
		1141	2 P a g e



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	2	KOLASIB	 SSP @ 1.5 g per 200 lt of water 15 days interval. Spray lantana camera leaf paster 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 @ 1 ml/10 lt of water.
Rubber	Vegetative stage	AIZAWL SERCHN	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry CEREALS AND P	Vegetative stage		 Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.
Kharif Rice	Harvesting stage	LAWNGTLAN	 Birds scaring ribbon should be used for scaring the birds. Harvest all mature panicle to reduce bird damage. Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation and no till pea and mustard/ toria
		112 P	3 P a g e



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1				
	5	\wedge		sowing. After sun drying harvested paddy is 5 recommended to be stored at \leq 14% moisture.
Rabi Maize	Vegetative	8	-	Thinning must be done where more
	stage	KOLASIE		population was observed.
	1	Contraction 2	N+	Irrigation should be provide 3 days
)	La N	Π.	interval
	(1 1 1	-	Apply 2% urea solution for better
	1			growth.
	E.	2 21	-	Weeding and earthing up should be carried out.
				Leaf and stem cutter insect will be
	MAINIT	1	-	more so apply any contact poison for
	2		1	reducing pest population.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
Greengram	stage			provide water every alternate day.
and	a suge	Sec. and	4	Weeding should be done.
blackgram	1	1 55	4	Collection and destruction of damage
Slachgram	2 6		-	plant or plant part and spraying of any
)))			systemic insecticide @ 2ml/lit should
		SERCHN	1÷	be done.
	1	W -	+	Apply 2% urea solution to avoid stress
//	TT			condition.
Zero tillage	Vegetative	Zero tillage	-	Possibility of rain will be very less. So provide water every alternate day.
Soybean	stage			Weeding should be done.
cultivation in		LUNGLEI		Collection and destruction of damage
Jhum	2	Provide States and a second		plant or plant part and spraying of any
	1	1994	-	systemic insecticide @ 2ml/lit should
	5	n (~~	1	be done.
		1	4	Apply 2% urea solution to avoid stress
		Ny and		condition.
Zero tillage	Vegetative	Zero tillage	+	Possibility of rain will be very less. So
Toria	stage		•	provide water every alternate day.
		And the second s		Weeding should be done. Collection and destruction of Blister
		LAWNGTLAN		beetles and spraying of Neem oil
		- SAIHA		@3ml/lit should be done.
		1 h	4	Apply split dose of fertilizer for better
		1 3 1 1		growth.
		6 1 1)	<u> </u>
				4 P a g e



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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 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.
Early cole crop	Transplanting stage	Land preparation	 Main land preparation for cabbage cauliflower, broccoli and knolkhol. Plough the field 3-4 times. Planting distance, plant to plant 45 cm and row to row (60-70) cm Application of FYM (1.5-2.0 kg/ m2) Fertilizer application 180:50:50 kg/ha.
	2	Damping off	 Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt o water at 10-15 DAS are effective.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate day
		SAIMA	 Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed
	1	PN A	5 P a g e



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		A	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Germination		4 Possibility of rain will be less coming
	stage	2 2	five days. So alternate irrigation should
	L.	5	be done 2 days interval.
		KOLASIB	4 Thinning must be done.
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
	stage	w7 }	and leveled field.
	5		4 Chilli will be normally planted in
	1		raised beds of 60 to 75 cm width.
		5 51	4 Application of FYM (1.5-2.0 kg/ m^2)
		1	🔶 Provide water every alternate day.
Brinjal	Transplant	$\chi \rightarrow \chi$	4 Brinjal will be planted in well
	stage	LAIZAWL 1	pulverized and leveled field.
	1	Concerner 1	4 Brinjal will be normally planted in
	8	5	raised beds of 60 to 75 cm width.
	1.0		4 The transplanting is done in small flat
			beds or in shallow furrow depending
	9 6		upon the availability of irrigation.
	101		4 In heavy soil it is usually transplanted
	0	SERCHN	on ridges and during the rains also it
	5	1 miles	is advantageous to plant the seedlings
	1		on ridges.
<u> </u>			Provide water every alternate day
Chilli	Transplant		+ Chilli will be planted in well pulverized and leveled field.
	stage	Manufacture Co.	
	1 A A	LUNGLEI	+ Chilli will be normally planted in raised beds of 60 to 75 cm width.
	2		Application of FYM (1.5-2.0 kg/ m ²)
		5	Provide water every alternate day.
Tomato	Transplant	1 JE	4 Tomato will be planted in well
Tomato	stage	PN V	pulverized and leveled field.
	Stage	0701	Tomato will be normally planted in
		1 LOY	raised beds of 60 to 75 cm width.
		1 N 1	4 The transplanting is done in small flat
		LUMMANT TO AN	beds or in shallow furrow depending
		LAWNGTLAN	upon the availability of irrigation.
		/ SAIHA	4 In heavy soil it is usually transplanted
			on ridges and during the rains also it
		1 15 1	is advantageous to plant the seedlings
		P N N	
			6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			on ridges.
			✤ Provide water every alternate day.
French bean	Germination		4 Possibility of rain will be less coming
	stage	1	five days. So alternate irrigation should
		1 5	be done 2 days interval.
	i had	KOLASIE	4 Thinning must be done.
	1		4
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
	stage	3 4 1	and leveled field.
	1		+ Chilli will be normally planted in
	f.	2 21	raised beds of 60 to 75 cm width.
	. J.		 Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Potato	Sowing stage		 Prepare the land for potato cultivation
Iotato	Sowing stage		without any further delay.
	1	(AIZAWIL)	4 This may help to avoid some bacterial
		5	infection at growing stage.
	S.S.	Sec. and	4 Land may be ploughed thoroughly for
	1	1 55	proper tillage.
	2 6		4 If land is prepared good quality of
	(1)		seeds may be collected for planting.
		SERCHN	+ Cultivation from TPS is also found
	1	V~1_	profitable.
ANIMAL HUSBEI			4 Seed must be treated before sowing.
Pig	All stages	0.8	4 Animals must keep in dry place or
FIg	All stages		kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	2	and the second	animals.
		0	4 1 st injection at 6 months of age and
	5	n (~~	2nd injection at 12 months of age
		91 1	followed by annual vaccination under
		1 4 25-1	vet supervision against FMD.
			4 Reduce concentrate diet up to 5%.
			 Provide adequate potable water. In present weather conditions
		Lange and the second second	In present weather conditions vaccinate against swine fever (Vaccines
		LAWNGTLAN	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	- Y
		6 N N	710
			7 P a g e



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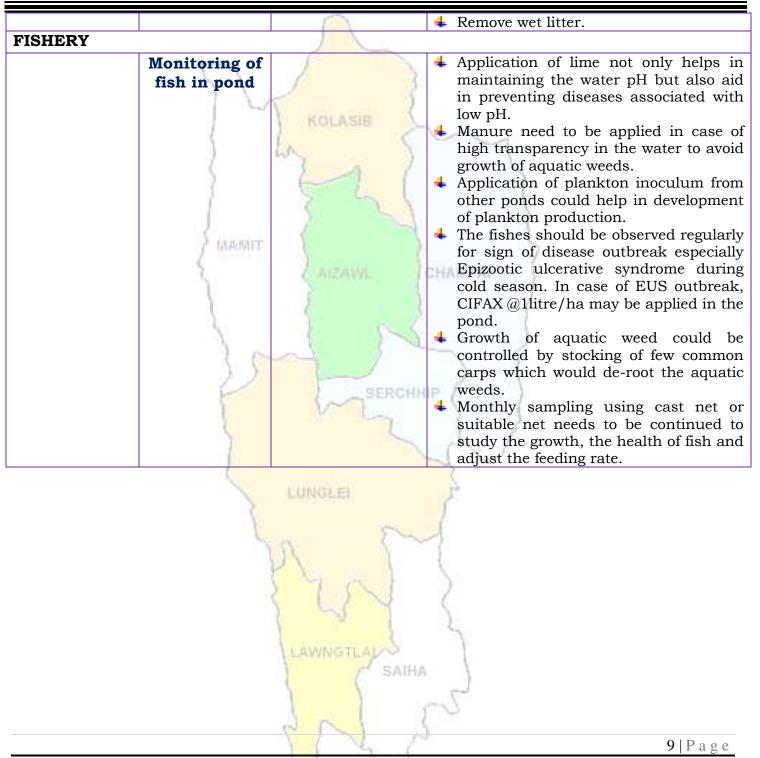


		Syndrome (PRRS).	
Cattle	All age group		4 In present weather conditions, special
	100000 C	()	care should be taken against attack of
		1	maggots in the wounds of animals.
		- 5	Application of turpentine oil in the
		KOLASIB	wounds followed by application of
	1) NULASIB	antibiotics for five days is advised.
)	Lo.	Provide UMB/Molases if possible in the
	6	1 1 1	feed
	2		Provide 10-30 ml of vitamin B-Complex
	1		in feed
	1	5	4 1 st injection at 6-8 weeks of age, 2nd
	R. marine		injection after 6 months of 1 st injection
	J' MAMIT	X 7	followed by annual vaccination under
	S	LAIZAWL I	vet supervision.
	1	a since in the	Separate sick animals.
	Y	5 Y	4 The animal should be washed with
	200		lukewarm water added with little
	1 St. 1		potash (KMnO4) or neem leaves.
	2 6		4 Long hair near the
	(1)		udder/stomach/back legs should be
	0	SERCHH	teamed short.
Poultry	All age group	w i	+ Provide preventive dose of anti-coccidial
	5		drugs to poultry.
	30		Proper ventilation of shed.
			+ Provide glucose/electral along with
	al and a second	NAME AND ADDRESS OF	vitamin supplements (@5- 6ml/100
		LUNGLEI	birds) with adequate potable water
	5		 Avoid overcrowding. Brouide broad apoetrum entibelminthic
	6	5	Provide broad-spectrum antihelminthic drugs under vet supervision and
		A V	recommended doses.
			↓ Vaccination as per the schedule with
		5 7 C 1	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
		Construction and the second	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine 35 days: E/Lasota 67
		SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
	l	N N N	
		VIL P	8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Period: 02 December - 06 December, 2017

Bulletin No: - 753/2017/ Bulletin/Mizo

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	27	27	26	
Min Temp (°C)	13	12	12	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Partially clear	Mainly cloudy	
Max RH (%)	75	77	80	84	84	
Min RH (%)	33	26	23	30	33	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	Е	E	Е	E	Е	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- S-E,		
		Westerly- <mark>S-W</mark> , We				
		1-31, 2017 (Percer				
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 mi		o- 50.0mm	
(44.8mm)		(35.9mm)	(64.0m	•	(34.8mm)	
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		p-234.8mm	
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	02 nd December – 06 th December, 2017 chhunga				
three day	S	sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):72- Minimum RH (%):55- Wind Direction: North Cloud cover: Mainly of Wind speed: 2 km/hr Rainfall: 00.0 mm NDVI for Mizoram	0-12°C 88% 72% heasterly clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin of 75-84% niin. Thli hi dark zawngin a tleh n hian khawthiang Weekl	Khua a lum l 11-13°C ni tu leh a hniam la car khatah 4 kr rin a ni. A tlan g tak hmuh beis y cumulative Mildly dry districts of	ai berin 27°C a ura beisei a ni ai berin 23-33% m vela chakin c ngpuiin tun ni sei a ni. rainfall: 00.0r condition oc	a ni ang a. A . RH san lai 6 ni tur a rin hhaklam awi nga chhung nm	
		PN.	P		1 Page	



ICAR RESEARCH COMPLEX FOR NEH REGION

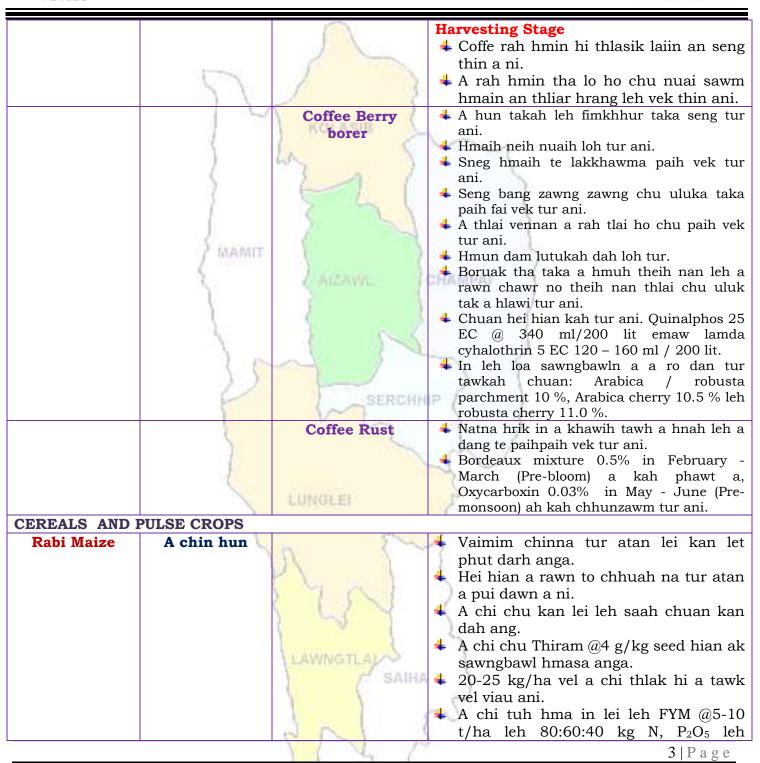


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		I INVERSION	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
		100	te thlawhfai thin tur ani.
STAR FRUIT	\$ MAGMIT		4 A seng hma kar 6 chhung chu tui tha
	T INTERNAL P	5	taka pek hian a rah tla tur chelh nan
		LAIZAWIL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH			
	10	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
		canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	Print and a second second	Nursery stage
	1	-	+ Thlai chi thlak hma in Azospirillum leh
	1	N 200	Phosphobacterium a enkawl tur ani.
		3	🔸 A chi hi December – January ah hmun
		Charles Mark	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 5 1	tlar mumal tak siam in chin tur ani.
		1 55 4	+ Chuan a chi chu lei tlem te a chhilh a
		A A A	buhpawla khuh tur ani.
		LAWNGTLAL	↓ Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		C N N	
		1 4 6	2 P a g e



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Soybean, pea,	All stage	Zero tillage	 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow		"Fhi	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAU	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		VIL /	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
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.
		200	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.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		6 N 7	6 P a g e



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	5	S	+	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
	- mal	1	<u> </u>	ani.
	Preventive	0-3 rd week	4	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.
			+	B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	S in a narr			coccidiostat
	/ MADVIT	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	3	ATZAWIL J	CH/	AMPAI }
	Stocking and		4	Dil a chinai hman hian tui thur tur a
	monitoring	5		veng mai nilovin, tuithur avang a natna
	(Sangha	1 1		lo awm thei lak atangin sangha a veng
	chhuah leh	A V S X		thei.
	enkawl)		+	Dil tui a fim lutuk avanga hnim lo to
		SERCHN	D.	tur vennan leitha dilah hman thin tur a
		(~)		ni.
	1		+	Dil tui fim lutuk ah chuan sangha
	0	1		chaw (plankton) a lo insiam theihnan,
	118		2	plankton tamna tui dil dang atangin dahluh thin tur ani.
		NORTH AND ADDRESS OF	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)
		1 1	1	pawlh a a enkawl tur ani.
			4	Dil a hnim to tih rem nan common carp
		100 100		tlem a zawng chhuah thin ani a,
		LAN		common carp te hian dil hnim zung
			2	atangin a phawi thin ani
		Contractor and Contractor	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 1 4)	
		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)



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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: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly clear	Mainly cloudy
Max RH (%)	80	78	81	78	75
Min RH (%)	46	43	41	38	36
Wind Speed (KmpH)	2	3	4	4	4
*Wind Direction	Е	S-E	S-E	S-E	S-E
		Easterly- N-E, Ea			
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
		1-31, 2017 (Percen			
Aizawl- 283.0mm	Champh	lai- 0.00mm	Saiha- 57.9 m		b- 50.0mm
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)
Lawngtlai-135.3mm	Lungle	i-130.3mm	Mamit-231.0m		p-234.8mm
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)
Weather summary	-	Weather forec		02 nd Decembe	er, 2017 To
three day			06 th Decemb	er, 2017.	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):72- Minimum RH (%):55- Wind Direction: North Cloud cover: Partially Wind speed: 2 km/hr Rainfall: 00.0 mm NDVI for Mizoram	3-14°C 89% 68% heasterly v clear	There are no ch The maximum a days may range humidity is expe- may from 36-44 southeasterly w Mainly clear will Weekl	and minimum for 25°C and ected in the ran 6%. Wind dire ith the wind s prevail during y cumulative n Mildly dry districts of	temperatures for 14-15°C. Maxim age of 75-81% a ection would b speed of 2-4 k the next five da rainfall: 00.0 for condition of	or the next 5 mum relative nd minimum e easterly to m per hour. ays. mm
		612	P		1 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Fruiting stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch
BANANA	1	52(reduces soil water loss. Collection of infected dropped fruit and buried in to soil. Regular monitoring for trunk borer
STAR FRUIT	{ MAMIT	AIZAWL	 infestation. Harvesting should be done along with twig with two leaves.
PLUM AND PEACH		3	Diseased and senile branches should be removed
	35	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage		According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
		LAWNGTLAN	 Replanting of new seedling Medium to young seedling should be support by bamboo stake. Replace dead plant with young seedlings.
		SAIHA	6
		VIN A	2 P a g e



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ICAR				
	$\sum_{i=1}^{n}$	KOLASIB	in Sj ar ef cc D te re w m	emperature and less rainfall in hilly egion of the district probability of rust ill be high. So apply Hexaconazole @ 1 il/10 lt of water.
Rubber	Vegetative stage	AIZAWA.	re ra fo re U fr M su su an at	ccording to forecast and past weather ecord, there is no probability of ainfall. So weekly irrigation is required or upcoming week or use straw mulch educes soil water loss. se grass or straw mulch to prevent om water loss. dedium to young seedling should be upport by bamboo stake. 0-12 kg of well rotten organic manure and 225 gm rock phosphate should be oply at time of planting to each pit as asal dose application.
Strawberry CEREALS AND I	Vegetative stage		 Po Po m su di W 	ossibility of rain will be very less. So rovide water every alternate day. ossibility to occurrence of Powdery hildew will be high so apply any ulpher based fungicide to reduce isease incidence. Veeding should to do properly with roper fertilizer use.
Kharif Rice	Harvesting	2 1 5 2 8	👍 B	irds scaring ribbon should be used
	stage		fo H bi H su g1	or scaring the birds. arvest all mature panicle to reduce ird damage. arvesting should be done on unny day at least 15 cm above the round for moisture conservation
		R N N	ä	nd no till pea and mustard/ toria
				3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



1			
			sowing.
			4 After sun drying harvested paddy is 5
	A Research of the		recommended to be stored at \leq 14%
	17		moisture.
Rabi Maize	Vegetative	2 2	4 Thinning must be done where more
itusi iluizo	stage	N	population was observed.
	Slage	KOLASIB	Irrigation should be provide 3 days
	(0	interval
)	way of	Apply 2% urea solution for better
	(1 1	110
	1		growth.
	1	2 2 1	Weeding and earthing up should be
		2	carried out.
	Same		4 Leaf and stem cutter insect will be
	/ MAMIT	X 7	more so apply any contact poison for
	S	Laszana J	reducing pest population.
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very less. So
Greengram	stage	5	provide water every alternate day.
and		Sec. 19	4 Weeding should be done.
blackgram	1	1 55	4 Collection and destruction of damage
Diachgiaili	0 6		plant or plant part and spraying of any
	1.5		systemic insecticide @ 2ml/lit should
	0	SERCHN	be done.
		SERCIN	4 Apply 2% urea solution to avoid stress
	1		condition.
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very less. So
Soybean	stage		provide water every alternate day.
cultivation in	Stage		• Weeding should be done.
Jhum		LUNGLEI	Collection and destruction of damage
Jhum	2	2011/2012/2011	plant or plant part and spraying of any
	1		systemic insecticide @ 2ml/lit should
	5	m the	be done.
		35	Apply 2% urea solution to avoid stress
		PN	condition.
Zero tillage	Vegetative	Zero tillage	 Possibility of rain will be very less. So
Toria	Vegetative	Dero tillage	provide water every alternate day.
Toria	stage		 Weeding should be done.
		Contractory - the second	Collection and destruction of Blister
		LAWNGTLAN	beetles and spraying of Neem oil
		SAIHA	
			@3ml/lit should be done.
			Apply split dose of fertilizer for better
		a p (growth.
		V V A	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Ginger and	Vegetative		4 According to forecast and past weathe
turmeric	stage		record, probability of rain will be les
		1	and temperature will be high. S
		2 8	drainage channel shall be block th
	had	COL S PUR	channel for maintain field moisture.
		KOLASIB	+ Earthing up soil near the base of th
)	LA S	plant along with fertilizer for bette
	(1 1	growth and development.
	2		+ Due to high humidity, probability of
	1	2 2 1	shoot borer infestation will be high
			Apply insecticide like imidacloprid 0.
	AMAMIT		ml or phosolone 1.5 ml or acephate 1.
Early cole	Transplanting	Land preparation	g or dimethoate 2 ml/lt of water.
•		Lanu preparation	cauliflower, broccoli and knolkhol
crop	stage	1	
	1	5.	✓ Plough the field 3-4 times.
	S	1 1	✓ Planting distance, plant to plan 45 cm and row to row (60,70) or
) .		45 cm and row to row (60-70) cm
	1		✓ Application of FYM $(1.5-2.0 \text{ kg})$
	0	SERCHN	m2)
		V	, rerunzer application 100.00.0
	1	Domning off	kg/ha.
		Damping off	Seed treatment with thiram 3g/k seed or Trichoderma viride 4g
			Task.
	100	LUNGLEI	metalaxyl 4g (Apron)/ kg seed
	5	CONGERI	Drenching 1% Bordeaux mixtur or 2 g captan or 3 coppet
	5	n ?~~	oxychloride/ lt of water at 10-1 DAS are effective.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form
Onion	Mulsely stage	i ory nouse	ridges and furrows at 45 cm spacing.
			Sow the bulbs on both the sides of the
		2 -2 1	ridges at 10 cm apart.
		La construction of the second	🖡 In heavy soil it is usuall
		LAWNGTLAN	transplanted on ridges and durin
		SAIHA	the rains also it is advantageous t
		1 1	plant the seedlings on ridges.
			Provide irrigation every alternat



ICAR RESEARCH COMPLEX FOR NEH REGION



tion	KOLASIB	 day Seed treatment with thiram 3g/kg seed of 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. Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval.
ant PAMIT	Poly house	 Thinning must be done. Chilli will be planted in wel pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²)
ant		 Provide water every alternate day. Brinjal will be planted in wel pulverized and leveled field. Brinjal will be normally planted ir raised beds of 60 to 75 cm width. The transplanting is done in smal flat beds or in shallow furrow depending upon the availability o irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges.
ant e		 Provide water every alternate day Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
		 Tomato will be planted in wel pulverized and leveled field.
	olant ge	olant SAIHA



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Potato Sowing stage Prepare the land for potato cultivation without any further delay. This may help to avoid some bactering This may help to avoid some bactering Image: Ima					
Potato Sowing stage Image: Construction of the stage of the s				4	Tomato will be normally planted in
Potato Sowing stage Image: Application of the section at growing stage. Image: Application of the section at growing stage. Potato Sowing stage Image: Application of the section at growing stage. Image: Application of the section at growing stage. NIMAL HUSBENDARY All stages All stages Animals must keep in dry place kept in alleviated area and dry bedding					
Potato Sowing stage Image: Application of the section at growing stage. Image: Application of the section at growing stage. Potato Sowing stage Image: Application of the section at growing stage. Image: Application of the section at growing stage. NIMAL HUSBENDARY All stages All stages Animals must keep in dry place kept in alleviated area and dry bedding				4	The transplanting is done in small
Potato Sowing stage Image: Comparison of the state of the sta		1	1	-	
Potato Sowing stage Image: Some stage<			1 5		
Potato Sowing stage Image: Construct of the section of the sectin of the section of the section of the section		had been	Course in		
Potato Sowing stage Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Potato Sowing stage Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage. Image: Comparison of the proper tillage.		1	NULASIB	1	0
Potato Sowing stage Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Potato Sowing stage Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Potato Sowing stage Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage. Image: Constraint of the section at growing stage: Consection at growing stage. Image: Constrai			LA N		
Potato Sowing stage Provide water every alternate day. Potato Sowing stage Prepare the land for potato cultivation without any further delay. Potato Sowing stage Prepare the land for potato cultivation without any further delay. Pig All stages All stages		6	3 . 1		
Potato Damping off Seed treatment with thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl (Apron)/kg seed Potato Sowing stage Dernching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/lt of wat at 10-15 DAS are effective. Potato Sowing stage Prepare the land for potato cultivatio without any further delay. This may help to avoid some bacterrininfection at growing stage. Land may be ploughed thoroughly for proper tillage. If I and is prepared good quality seeds may be collected for planting. Cultivation from TPS is also four profitable. NIMAL HUSBENDARY Yeig Pig All stages		2			
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Potato Sowing stage Image: Potato Prepare the land for potato cultivation without any further delay. Image: Potato Sowing stage Image: Prepare the land for potato cultivation without any further delay. Image: Potato Image: Prepare the land for potato cultivation without any further delay. Image: Potato Image: Prepare the land for potato cultivation without any further delay. Image: Potato Image: Prepare the land for potato cultivation without any further delay. Image: Prepare the land for potato cultivation without any further delay. Image: Prepare the land for potato cultivation without any further delay. Image: Prepare the land for potato cultivation at growing stage. Image: Prepare tillage. Image: Prepare tillage. Image: Prepared good quality seeds may be collected for planting. Cultivation from TPS is also four profitable. Seed must be treated before sowing. IMIMAL HUSBENDARY Prepare All stages		SEAMANT	Damping off	+	
Potato Sowing stage Image: Prepare the land for potato cultivation without any further delay. Image: Potato Sowing stage Image: Prepare the land for potato cultivation without any further delay. Image: Potato Image: Prepare the land for potato cultivation without any further delay. Image: Potato Image: Prepare the land for potato cultivation without any further delay. Image: Prepare the land for potato cultivation without any further delay. Image: Prepare the land for potato cultivation without any further delay. Image: Prepare the land for potato cultivation at growing stage. Image: Prepare the land may be ploughed thoroughly for proper tillage. Image: Prepare the land is prepared good quality seeds may be collected for planting. Image: Prepare tillage. Image: Prepare tillage. Image: Prepare tillage. Imag		1 meaning	5		
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Potato Sowing stage Prepare the land for potato cultivation without any further delay. This may help to avoid some bacteria infection at growing stage. This may help to avoid some bacteria infection at growing stage. Land may be ploughed thoroughly for proper tillage. If land is prepared good quality seeds may be collected for planting. Cultivation from TPS is also four profitable. Seed must be treated before sowing. NIMAL HUSBENDARY All stages			2		captan or 3 copper oxychloride/ lt of water
without any further delay. This may help to avoid some bactering infection at growing stage. Land may be ploughed thoroughly for proper tillage. If land is prepared good quality seeds may be collected for planting. Cultivation from TPS is also four profitable. Pig All stages All stages			1		
Image: Pig All stages Image: Pig All stages	Potato	Sowing stage	1 66	4	
NIMAL HUSBENDARY Pig All stages All stages		1		-	5 5
MIMAL HUSBENDARY Pig All stages All stages		105		+	
Pig All stages Pig All stages		0	seneou	e di	
If land is prepared good quality seeds may be collected for planting. Cultivation from TPS is also four profitable. Seed must be treated before sowing. NIMAL HUSBENDARY Pig All stages All stages			~ SERUNA	-	
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NIMAL HUSBENDARY All stages Animals must keep in dry place kept in alleviated area and dry bedding		18		-	
NIMAL HUSBENDARY Pig All stages Animals must keep in dry place kept in alleviated area and dry bedding		6.	N04-014-2527		
NIMAL HUSBENDARY Pig All stages Animals must keep in dry place kept in alleviated area and dry bedding			LUNGLEI	4	-
kept in alleviated area and dry beddin	ANIMAL HUSBEN	IDARY			
	Pig	All stages 😓	En En	4	Animals must keep in dry place or
(straw) to be provided to your			1.1	1	kept in alleviated area and dry bedding
			P Variati V	X	
animals.			17.5	2	
			1 La Y	*	1 st injection at 6 months of age and
				्य	2nd injection at 12 months of age followed by annual vaccination under
LAWNGTLAL vet supervision against FMD.			LAWNGTLAN		5
SAIHA 4 Reduce concentrate diet up to 5%.					1 0
 Freduce concentrate user up to 570. Provide adequate potable water. 				4	
				-	
			ARI		vaccinate against swine fever (Vaccines
	I		VIV P		7 P a g e_



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		0	
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	
		Respiratory	
		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	All age group		 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
		LAWNGTLA	 Avoid overcrowding. Provide broad-spectrum antihelminthic drugs 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 days: Intermediate plus/IBD
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FISHERY	5	\sum	 vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond	AIZAWA LUNGLEI	 Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH. Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds. Application of plankton inoculum from other ponds could help in development of plankton production. The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @11itre/ha may be applied in the pond. Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds. Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.
		LAWNGTLAK	9 Page



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



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LAWNGTLA SAIHA

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





District: Kolasib

Period: 02 December - 06 December, 2017

Bulletin No: -	753/2017/	Bulletin/Mizo
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Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017			
Rainfall (mm)	0	0	0	0	0			
Max Temp (°C)	25	25	25	24	25			
Min Temp (°C)	15	15	14	14	14			
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly clear	Mainly cloudy			
Max RH (%)	80	78	81	78	75			
Min RH (%)	46	43	41	38	36			
Wind Speed (KmpH)	2	3	4	4	4			
*Wind Direction	E	S-E	S-E	S-E	S-E			
		Easterly- <mark>N-E</mark> , Eas						
		Westerly- <mark>S-W</mark> , We						
		1-31, 2017 (Percer						
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m		- 50.0mm			
(44.8mm)	_	(35.9mm)	(64.0m		(34.8mm)			
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		p-234.8mm			
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)			
Weather summary		02 nd Decembe	er – 06 th Dec	ember, 2017	' chhunga			
three day	s	sik leh sa dinhmun tur tlangpui						
Maximum Tem. (°C):2	23-25°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo						
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 25°C a ni ang a. A						
Maximum RH (%):72-		vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai						
Minimum RH (%):55-0	CO 0(
Wind Direction: North	hoostorl.	berin 75-81% leh a hniam lai berin 36-46% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam						
Cloud cover: Partially								
Wind speed: 2 km/hr		awi zawngin a tle			i nga chinung			
-		hian khawthiang tak hmuh beisei a ni.						
Rainfall: 00.0 mm								
		Weekl	y cumulative	rainfall: 00.0r	nm			
NDVI for Mizoram		North East Region 29 April 2017	5 5	condition oc	curs in all			
		~	districts of	Mizoram.				
			and and and a second seco					
		20	-					
		▲ ಔ = :::}						
		Aphication regard to good over most of the parts literature da traces and imaginates whether moderne regard is noticed in shifted region.						
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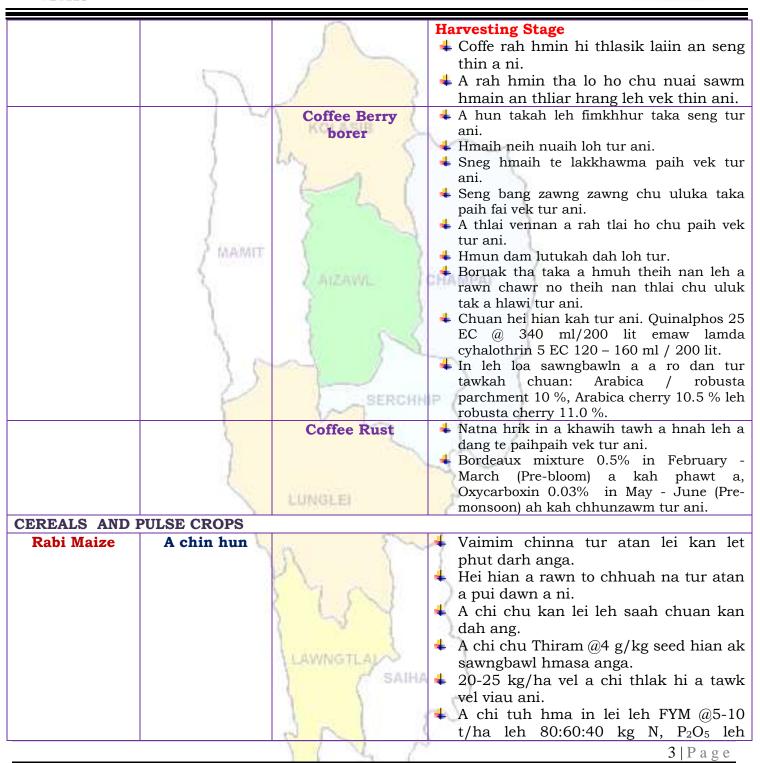


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	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	No tang	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



ICAR RESEARCH COMPLEX FOR NEH REGION



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.
	AMAMIT	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



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	\sum	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	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. 0.25500.2	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 ilangan ila
	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)



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Guwahati)



District: Lawngthai

Period: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017			
Rainfall (mm)	0	0	0	0	0			
Max Temp (°C)	28	28	28	27	27			
Min Temp (°C)	12	12	12	11	11			
Cloud Coverage	Clear sky	Clear sky	Clear sky	Partially clear	Mainly cloudy			
Max RH (%)	78	81	80	77	75			
Min RH (%)	39	34	31	31	29			
Wind Speed (KmpH)	3	3	3	4	4			
*Wind Direction	E	E	E	S-E	E			
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,				
		Westerly- <mark>S-W</mark> , We						
		1-31, 2017 (Percer			•			
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m		- 50.0mm			
(44.8mm)		(35.9mm)	(64.0m	-	(34.8mm)			
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		p-234.8mm			
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)			
Weather summary	-	Weather forecast valid from 02^{nd} December, 2017 To						
three day		06 th December, 2017.						
Maximum Tem. (°C):1		There are no chances of rainfall during the next 5 days.						
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5						
Maximum RH (%):78-		days may rang	e for 27-28°C	C and 11-12°C	C. Maximum			
Minimum RH (%):63-		relative humidity	y is expected i	n the range of	75-81% and			
Wind Direction: North	· · · · · · · · · · · · · · · · · · ·	minimum may	from 29-34%.	Wind direction	on would be			
Cloud cover: Mainly o	clear	0						
Wind speed: 1 km/hr		easterly to southeasterly and easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next						
D : C 11 00 0		five days.						
Rainfall: 00.0 mm		into duyo.						
		Weekl	u cumulative	rainfall: 00.0 1	nm			
NDVI for Mizoram		Weeni						
NDVI for Mizoram		North East Region 39 June 2017	5 5	condition oc	curs in an			
		~B -===	districts of	Mizoram.				
		Agriculture vigest is good some finde strike parts herbiters der Trauert and Weglindes unteress moderate vigest is notaal to	ani ani					
		of the region						
		CV IN	to v					
		1/V	12		1 Page			



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	•		
KHASI	Fruiting stage	2 3	4 According to forecast and past weather
MANDARIN		KOLASIE	record, there is no probability of rainfall.
AND ACID	1	Controlate 2	So weekly irrigation is required for
LIME)	LA N	upcoming week or use straw mulch
	(reduces soil water loss.
BANANA	2		4 Collection of infected dropped fruit and
	1	2 5 1	buried in to soil.
		2	4 Regular monitoring for trunk borer
STAR FRUIT	Sugar		infestation.
	/ MAMIT		4 Harvesting should be done along with
		LAIZAWE 1	twig with two leaves.
PLUM AND			+ Diseased and senile branches should be
PEACH	Y	1	removed
	20	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
	1		or malathion 0.15 per cent suspension
	0.0		containing sugar or jeggery at 10 g/l at
	12		fortnightly intervals at flowering and fruit initiation.
	-	Gummosis,	\downarrow Due to low temperature and humidity
	3	citrus canker,	disease appearance will more. Use Bordeaux
	6	citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne
			disease.
PLANTATION CR			
COFFEE	Fruiting stage	LUNGLEI	According to forecast and past weather
	1		record, there is no probability of
		m 8~	rainfall. So weekly irrigation is required
		1. 1.	for upcoming week or use straw mulch
		P Variation V	reduces soil water loss.
		1751	Replanting of new seedling
		1 La Y	4 Medium to young seedling should be
		1 × 1	support by bamboo stake.
		LANDART TO AND	4 Replace dead plant with young
		LAWNGTLA	seedlings.
		- SAIHA	
			Fruiting stage
			Foliar application of Mepiquat chloride
		P N J	@ 1000 PPM concentration or 0.75%
		1 CL	2 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	2	SSP @ 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 @ 1 ml/10 lt of water.
Rubber	Vegetative stage	AIZAWL SERCHH	8 4	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from water loss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry CEREALS AND F	Vegetative stage		4	Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.
Kharif Rice	Harvesting	1 1 5 5 8	4	Birds scaring ribbon should be used
	stage	LAWNGTLAL	4	for scaring the birds. Harvest all mature panicle to reduce bird damage. Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation and no till pea and mustard/ toria
		VIN M		3 P a g e



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				sowing.
			4	After sun drying harvested paddy is 5
				recommended to be stored at $\leq 14\%$
				moisture.
Dahi Maina	Vereteting	1 5		
Rabi Maize	Vegetative	()	-	Thinning must be done where more
	stage	KOLASIE		population was observed.
	1	1 montheast	×+	Irrigation should be provide 3 days
	1	Lo.	1	interval
	1	~ 7	4	Apply 2% urea solution for better
)			growth.
	5	S La L	4	Weeding and earthing up should be
		C 2 3		carried out.
			4	Leaf and stem cutter insect will be
	MAMIT	1	- T	more so apply any contact poison for
	2	0		
		A120100	<u>.</u>	reducing pest population.
Zero tillage	Vegetative	Zero tillage	•	Possibility of rain will be very less. So
Greengram	stage	1 2		provide water every alternate day.
and		1 6 1		Weeding should be done.
blackgram	1		4	Collection and destruction of damage
Shorigium	0 6		-	plant or plant part and spraying of any
	1.1			systemic insecticide @ 2ml/lit should
	12	or noun	. +-	be done.
		SERCHN	1 a	Apply 2% urea solution to avoid stress
	1	Mr. Long		condition.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
_	-	Zero tillage	T T	provide water every alternate day.
Soybean	stage		P.,	
cultivation in	100	WHEN STREET		Weeding should be done.
Jhum		LUNGLEI	-	Collection and destruction of damage
	5			plant or plant part and spraying of any
	1	2	3	systemic insecticide @ 2ml/lit should
		$\gamma \sim$	1	be done.
			4	Apply 2% urea solution to avoid stress
	(condition.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
Toria	stage	1 55 9		provide water every alternate day.
			4	Weeding should be done.
		A CALANCE TO A CAL		Collection and destruction of Blister
		LAWNGTLAN		beetles and spraying of Neem oil
		SAIHA		@3ml/lit should be done.
			e 🕈	Apply split dose of fertilizer for better
		N PL		growth.
		1 1 1		
				4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



ROP		
Vegetative stage	KOLASIB	 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.
Transplanting stage	Land preparation	 Main land preparation for cabbage, cauliflower, broccoli and knolkhol. Plough the field 3-4 times. Planting distance, plant to plant 45 cm and row to row (60-70) cm Application of FYM (1.5-2.0 kg/m2) Fertilizer application 180:50:50 kg/ha.
	Damping off	 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.
Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate
	Vegetative stage Transplanting stage	Vegetative stage KOLASIB MAMIT KOLASIB Transplanting stage Land preparation SERCHN SERCHN Damping off LUNGLEI SERCHN Nursery stage Poly house LUNGLEI LUNGLEI



ICAR RESEARCH COMPLEX FOR NEH REGION



			day
	5	2	 Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate
		KOLASIB	at 10-15 DAS are effective.
French bean	Germination stage	12 L	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Thinning must be done.
Capsicum	Transplant stage	Poly house	 Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Brinjal	Transplant stage		 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability or irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day
Chilli	Transplant stage		 Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Tomato	Transplant		+ Tomato will be planted in wel
	stage		pulverized and leveled field.
			▲



ICAR RESEARCH COMPLEX FOR NEH REGION



			4	Tomato will be normally planted in
				raised beds of 60 to 75 cm width.
	1 million (1)	5	4	The transplanting is done in small
	6.7	1		flat beds or in shallow furrow
				depending upon the availability of
		KOLASIB		irrigation.
	1	I NULHOID	6	In heavy soil it is usually
)	La N		transplanted on ridges and during
	(3 4 1		the rains also it is advantageous to
	2			plant the seedlings on ridges.
	1	2 5		
	-		+	Provide water every alternate day.
	> MAGMIT	Damping off	+	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
	1 meaning	S		(Apron)/ kg seed
	30	LAIZAWL I	14	Drenching 1% Bordeaux mixture or 2 g
		1		captan or 3 copper oxychloride/ lt of water
	1	1		at 10-15 DAS are effective.
Potato	Sowing stage	1 66	4	Prepare the land for potato cultivation
		V 3 M	-	without any further delay.
	100		+	This may help to avoid some bacterial
	0	SERCHN	e di	infection at growing stage.
		~ SERCING	-	Land may be ploughed thoroughly for proper tillage.
	5		4	If land is prepared good quality of
	3			seeds may be collected for planting.
	118		-	Cultivation from TPS is also found
		Man 174 2003		profitable.
		LUNGLEI	4	Seed must be treated before sowing.
ANIMAL HUSBE	NDARY	· · · · ·		
Pig	All stages	5~	4	Animals must keep in dry place or
_		A D	1	kept in alleviated area and dry bedding
		PN	X	(straw) to be provided to young
		1275	2	animals.
		1 La Y	*	1 st injection at 6 months of age and
		1 4	्र	2nd injection at 12 months of age
		LAWNGTLAL		followed by annual vaccination under
		- SAIHA	1.4	vet supervision against FMD. Reduce concentrate diet up to 5%.
		((SAINA	ā.	Provide adequate potable water.
			1	In present weather conditions
		1 2 1 1		vaccinate against swine fever (Vaccines
L	1		-	
				7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Cattle All age group Porcine Reproductive Respiratory Syndrome (PRRS). 1. Culling of positive pigs or piglets. Cattle All age group 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 antibiotids for five days is advised. Image: Condentified and the synthesis of the synthesynthesis of the synthesis of the synthesis of the synthe			-18 ⁻⁰⁰ a	
Reproductive Respiratory Syndrome (PRRS). 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 antibioties for five days is advised. Provide UMB/Molases if possible in the feed Frovide 10-30 ml of vitamin B-Complex in feed Provide 10-30 ml of vitamin B-Complex in feed The animal should be washed with little potash (KMnO4) or neem leaves. Poultry All age group Provide Matter Provide IC-30 ml of vitamin B-Complex in feed Poultry All age group Provide SERCH Provide log on the washed with little potash (KMnO4) or neem leaves. Poultry All age group Provide IC-30 ml of vitamin B-Complex in feed Provide preventive dose of anti-coccidial drugs to poultry. Poultry All age group Provide IC-30 ml of vitamin supplements @25 - 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide glucose/electral along with vitamin supplements @25 - 6ml/100 birds) with adequate potable water Avacination as per the schedule with proper consultation with vet. Pay old chick: HVT Mark disease vaccine, 4-7 days: F/Lasota, 14-18 days:				available in State Veterinary Departs)
Respiratory Syndrome (PRRS). Cattle All age group 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 antibioties for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed I^{ai} injection after 6 months of 1^{ai} injection followed by annual vaccination under wet supervision. Separate sick animals. The animal should be washed with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Poultry All age group Provide province data spectrum antihelminthic drugs upder wet supprivision and recommended doses. Vaccination as per the schedule with roper consultation with vet. Provide broad spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with roper consultation with vet. Pay old chick: HVT Mark disease vaccine, 4-7 days:				1. Culling of positive pigs or piglets.
Cattle All age group Syndrome (PRRS). Cattle All age group For a 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 10-30 ml of vitamin B-Complex in feed Provide 10-30 ml of vitamin B-Complex in feed I* injection at 6-8 weeks of age, 2nd injection at 6-8 weeks of age, 2nd injection after 6 months of 1 st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with little potash (KMO4) or neem leaves. Long Long Poultry All age group Poultry All age group Witter Provide proventive dose of anti-coccidiat drugs to poultry. Provide preventive dose of anti-coccidiat drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide proventive 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 days: Intermediate plus/IBD		1 mar 1		
Cattle All age group * 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 of followed by application of animals. Application of turpentine oil in the wounds of followed by application of animals. Application at 6-8 weeks of age, 2nd in feed * Provide 10-30 ml of vitamin B-Complex in feed * Provide 10-30 ml of vitamin B-Complex in feed * Provide 10-30 ml of vitamin B-Complex in feed * Provide 10-30 ml of vitamin B-Complex in feed * The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. * Long hair * Unget and the added short. * Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water * Avoid overcrowding. * Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water * Avoid overcrowding. * Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water * Avoid overcrowding. * Provide vide vertile doses. * Day old chick: HVT Marek disease vaccine, 4-7 days:- F/Lasota, 14-18 days: Intermediate plus/IBD		1		
Poultry All age group All age group Provide preventive dose of anti-cooccidial drugs to poultry. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Propre consultation with vet. Pop old chick: HVT Marek disease vaccine, 4-7 days:- F/Lasota, 14-18 days:			Syndrome (PRRS).	
Poultry All age group Image group	Cattle		AIZAWL	 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
 vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs 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 days: Intermediate plus/IBD 	Poultry	All age group	LUNGLEI	 teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed.
Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD				 vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet
			SAIHA	Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18
			6 1 1	8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



FISHERY	 vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
Monitoring of fish in pond	 Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH. Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds. Application of plankton inoculum from other ponds could help in development of plankton production. The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @11itre/ha may be applied in the pond. Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds. Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.
LAWNGTLAL	9 Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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LAWNGTLA SAIHA

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

Guwahati)



District: Lawngtlai

Period: 02 December - 06 December, 2017

Bulletin No: - 753/2017/ Bulletin/Mizo

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	28	28	28	27	27		
Min Temp (°C)	12	12	12	11	11		
Cloud Coverage	Clear sky			Partially clear	Mainly cloudy		
Max RH (%)	78	81	80	77	75		
Min RH (%)	39	34	31	31	29		
Wind Speed (KmpH)	3	3	3	4	4		
*Wind Direction	Ē	E	Ē	S-E	E		
Northe	rly- N, North-I	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,	1		
		Vesterly- <mark>S-W</mark> , We		· · · · · · · · · · · · · · · · · · ·			
Status of Post Mor							
Aizawl- 283.0mm	Champha	ai- 0.00mm	Saiha- 57.9 m	m Kolasil	50.0mm		
(44.8mm)		(35.9mm)	(64.0m	· · · · · · · · · · · · · · · · · · ·	(34.8mm)		
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m	m Serchhi	p-234.8mm		
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)		
Weather summary of	of the past	02 nd Decembe	$er - 06^{th} Dec$	ember, 2017	' chhunga		
three day	s	sik leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):78- Minimum RH (%):63-' Wind Direction: North Cloud cover: Mainly of Wind speed: 1 km/hr Rainfall: 00.0 mm NDVI for Mizoram	5-17°C 89% 72% heasterly clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 75-81% le niin. Thli hi dar awi zawngin a the hian khawthiang Weekt	Khua a lum lai 11-12°C ni tu h a hniam lai kar khatah 3-4 ch rin a ni. A tl g tak hmuh beis y cumulative Moderately conditions	berin 27-28ºC ara beisei a ni berin 29-34% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung nm		
		114	~		1 Page		



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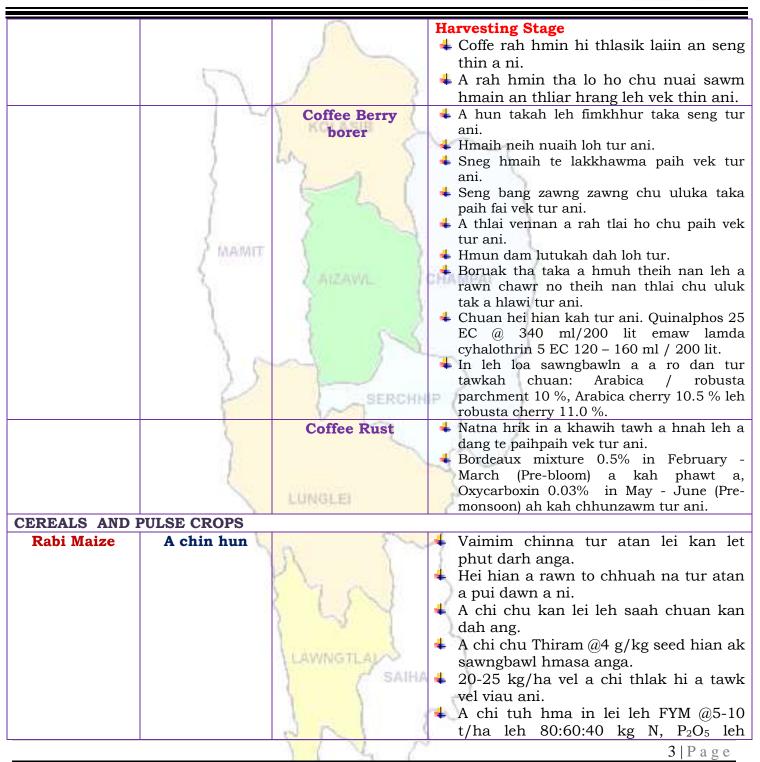


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases	•			
FRUITS CROPS		I	l			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul			
AND ACID		1 NOLMOID >	velah dahkhawm tur ani.			
LIME)	LA N	4 Thlai naupang deuah chuan chawlh			
	(3 4 1	kar tin a tui pek thin tur ani.			
BANANA	2		4 Leia tha mamawh tawk a hmuh			
	1	2 5	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		♣ A seng hma kar 6 chhung chu tui tha			
	/ meaning	5	taka pek hian a rah tla tur chelh nan			
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah			
PLOM AND PEACH			keh tur lakah t a veng thei ani.			
РЕАСП			The second secon			
		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			
	1	greening and Dieback	a trangah te hnawih tur ani.			
	12		 Huan zau takah chuan a par tan tirh leh a 			
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu			
	0	V La	heng te hian enkawl tur ani: carbaryl 0.2			
	5		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
	11 C		10 g/l.			
PLANTATION CR		E LINGUE FI				
COFFEE	All stages	(1111) (A.112) (111)	Nursery stage			
	1	0.00	+ Thlai chi thlak hma in <i>Azospirillum</i> leh			
	5	n (~~	Phosphobacterium a enkawl tur ani.			
			A chi hi December – January ah hmun			
		M ALL	zawl/rualrem 1.5 - 2.5 cm a in hlatin			
			tlar mumal tak siam in chin tur ani.			
		2 -3 1	buhpawla khuh tur ani.			
			 Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		≓ SAIHA	ani.			
			↓ Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		N N I				
		VIV A	21Page			
2 P a g e						



ICAR RESEARCH COMPLEX FOR NEH REGION







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Soybean, pea, lentil toria,	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 pek thin tur ani.
breen gram and black gram cultivation in rice fellow	ARMIT	"FL	 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
		VIV A	4 P a g e



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Onion and	Numeror	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		 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	
			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.
		8 N 2	6 P a g e



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	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-3 WEEK	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	WA D		a puitlingh chuan R_2B vaccine pek tur
	5	1 1		ani.
	5	Contraction of the second	4	B complex with antibodies
		4 th weeks	4	Coccidiosis- Amprolium or
		I WCCRD	-	coccidiostat
	MAINIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	2		4.46	
FISHERI		Comeanne.		N
	Stocking and	1	-	Dil a chinai hman hian tui thur tur a
	monitoring	1 a 1		veng mai nilovin, tuithur avang a natna
	(Sangha		-	lo awm thei lak atangin sangha a veng thei.
	chhuah leh			Dil tui a fim lutuk avanga hnim lo to
	enkawl)		-	tur vennan leitha dilah hman thin tur a
	5	SERCHN	P	ni.
		V	4	Dil tui fim lutuk ah chuan sangha
				chaw (plankton) a lo insiam theihnan,
			10	plankton tamna tui dil dang atangin
	1		24	dahluh thin tur ani.
		Manager and	4	Sangha ten natna an kai leh kai loh
	5	LUNGLEI	18	enfiah reng thin tur ani. Sangha pan a
	1		1	lo awm anih chuan dil tuiah CIFAX @1
		m 82	1	litre/ha (hectare khat ah litre khat)
		16	1	pawlh a a enkawl tur ani.
		P Var and V	4	Dil a hnim to tih rem nan common carp
		101	1	tlem a zawng chhuah thin ani a,
		1 La Y	5	common carp te hian dil hnim zung
				atangin a phawi thin ani
		LAWNGTLAN	+	Sangha hriselna, a than dan leh a chaw
		- SAIHA		pek zat tur hriatna turin thla tin a
		(SAINA		sangha man a a rihzawng enfiah zel tur
				ani.
		1 2 1		
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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,





District: Lunglei

Period: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Mainly clear	Mainly cloudy
Max RH (%)	80	78	81	78	75
Min RH (%)	46	43	41	38	36
Wind Speed (KmpH)	2	3	4	4	4
*Wind Direction	E	S-E	S-E	S-E	S-E
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
		1-31, 2017 (Percen			
Aizawl- 283.0mm	Champh	lai- 0.00mm	Saiha- 57.9 m		b- 50.0mm
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)
Lawngtlai-135.3mm	Lungle	<mark>i-130.3mm</mark>	Mamit-231.0m		p-234.8mm
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)
Weather summary		Weather forec		02 nd Decembe	er, 2017 To
three day			06 th Decemb	er, 2017.	
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):80- Minimum RH (%):61- Wind Direction: North Cloud cover: Mainly of Wind speed: 1-2 km/ Rainfall: 00.0 mm	1-13°C 92% 69% heasterly clear	There are no ch The maximum a days may rang relative humidit minimum may easterly southea hour. Clear sky Weekl	and minimum ge for 24-25°C y is expected i from 36-46%. asterly with the will prevail dur	temperatures for c and 14-15°C n the range of Wind directions wind speed o	or the next 5 C. Maximum 75-81% and on would be f 2-4 km per e days.
NDVI for Mizoram		Retifi Les Region (2) Aux 207	districts of	condition oo Mizoram.	ccurs in all
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Main One /	Other sta	0141	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	5	+ According to forecast and past weather
MANDARIN		KOLASIB	record, there is no probability of rainfall.
AND ACID	(0.	So weekly irrigation is required for
LIME)	60 J	upcoming week or use straw mulch
BANANA	S		reduces soil water loss.
DANANA	5		Collection of infected dropped fruit and buried in to soil.
		CAL	
STAR FRUIT			Regular monitoring for trunk borer infestation.
STAR FRUIT	MAMIT		↓ Harvesting should be done along with
	C massives	10.000	twig with two leaves.
PLUM AND	1	AIZAWL J	 Diseased and senile branches should be
PEACH	S	5	removed
	1	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
	S		or malathion 0.15 per cent suspension
) 6		containing sugar or jeggery at 10 g/l at
	10)		fortnightly intervals at flowering and fruit
	2	SERCH	initiation.
	5	Gummosis,	↓ Due to low temperature and humidity disease appearance will more. Use Bordeaux
	5	citrus canker,	past in tree trunk, twigs and branches
	20	citrus greening and Dieback	protect healthy plant from soil borne
	0.6	and Dieback	disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LUNGLEI	♣ According to forecast and past weather
	5		record, there is no probability of
	6	En En	rainfall. So weekly irrigation is required
		A A	for upcoming week or use straw mulch
		P.V. S. V	reduces soil water loss.
		1770	Replanting of new seedling
	A	1 La Y	4 Medium to young seedling should be
		C A A	support by bamboo stake.
		LI MARIETT ALL	4 Replace dead plant with young
		LAWNGTLAN	seedlings. 4 Fertilizer dose should be maintained.
		- SAIHA	
			Fruiting stage Foliar application of Mepiquat chloride
		1 = 1	(a) 1000 PPM concentration or 0.75%
		P P J	
			2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



ICAR				
	7	KOLASIB		SSP @ 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 @ 1 ml/10 lt of water.
Rubber	Vegetative stage	AIZAWA.		According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry CEREALS AND F	Vegetative stage		-	Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.
Kharif Rice	Harvesting	2 1 5 5 1	4	Birds scaring ribbon should be used
	stage	LAWNGTLAN	4	for scaring the birds. Harvest all mature panicle to reduce bird damage.
		SAIHA	* *	Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation and no till pea and mustard/ toria
		1146		3 P a g e



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		10-11-11-11-11-11-11-11-11-11-11-11-11-1	
	5	A	sowing. ♣ After sun drying harvested paddy is 5 recommended to be stored at ≤ 14% moisture.
Rabi Maize	Vegetative stage		 Thinning must be done where more population was observed. Irrigation should be provide 3 days
	2 ·	~ ?	interval Apply 2% urea solution for better growth.
	1	3 2	 Weeding and earthing up should be carried out.
	(MAMIT	A STAND	Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very less. So
Greengram	stage	1	provide water every alternate day.
and	200	Nº all	Weeding should be done.
blackgram			Collection and destruction of damage
-	20		plant or plant part and spraying of any
	1)		systemic insecticide @ 2ml/lit should be done.
	8	SERCHN	$\stackrel{\text{be done.}}{4}$ Apply 2% urea solution to avoid stress
	1	V Log	condition.
Zero tillage	Vegetative	Zero tillage	Possibility of rain will be very less. So
Soybean	stage		provide water every alternate day.
cultivation in	a series of the		Weeding should be done.
Jhum		LUNGLEI	4 Collection and destruction of damage
	3		plant or plant part and spraying of any
	1	5	systemic insecticide @ 2ml/lit should
		11 11	be done.
		PN	Apply 2% urea solution to avoid stress condition.
Zero tillage	Vegetative	Zero tillage	 Possibility of rain will be very less. So
Toria	stage	Dero tillage	provide water every alternate day.
1 1 1 1 1	5460		 Weeding should be done.
		LAWNGTLAN	4 Collection and destruction of Blister
		- SAIHA	beetles and spraying of Neem oil
			@3ml/lit should be done.
			Apply split dose of fertilizer for better
		201	growth.
		VIV A	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



turmeric stage record, probability of rain will be les and temperature will be high. S add temperature will be high. S add temperature will be high. S the stage the stage the stage Early cole crop Transplanting stage Land preparation Early cole crop Transplanting stage Land preparation Due to high humidity, probability is shoot bderr 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. Early cole crop Transplanting stage Land preparation Stage Damping off Plough the field 3-4 times. Plough the field 3-4 times. Planting distance, plant to plant 4. mand row to row (60-70) cm Application of FYM (1.5-2.0 kg/ml). Seg/ha. Seg/ha. Seg/ha. Onion Nursery stage Onion Nursery stage Poly house Plough the sedlings on ridges and durin the seedlings on ridges and furrows at 45 cm spacing. Sow the bubbs on both the sides of the ridges the seedlings on ridges and furrows at 45 cm spacing. Seed treatment with thiram 3g/kg seed of Trichoderma witide 4g+ metalaxyl detta the seedlings on ridges. </th <th>Ginger and</th> <th>Vegetative</th> <th></th> <th>4 According to forecast and past weather</th>	Ginger and	Vegetative		4 According to forecast and past weather
Consisting Consisting <th>-</th> <th></th> <th>17</th> <th>record, probability of rain will be les and temperature will be high. S</th>	-		17	record, probability of rain will be les and temperature will be high. S
Early cole crop Transplanting stage Land preparation Due to high humidity, probability is shoot borer infestation will be high humidity, probability of moscolar disection will be high humidity. Early cole crop Transplanting stage Land preparation Main land preparation for cabbag cauliflower, broccol and knolkhol. Plough the field 3-4 times. Planting distance, plant to plant 4 (mand row to row (60-70) cm Application of FYM (1.5-2.0 kg/mid) Seed treatment with thiram 3g/kg seed trichoderma viride 4gt metalaxyl distage and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is auvality that the rains also it is advantageous the rains also it is advantageou			KOLASIR (channel for maintain field moisture.
Early cole crop Transplanting stage Land preparation Main land preparation of dimethoate 2 ml/lt of water. Main land preparation for cabbag cauliflower, broccoli and knolkhol. Plough the field 3-4 times. Seed treatment with thiram 3g/kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ It water at 10-15 DAS are effective. Onion Nursery stage Poly house Plough the land to a fine tilth and for ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usual transplanted on ridges and durin the rains also it is advantageous that the seedlings on ridges. Provide irrigation every alternat day Seed treatment with thiram 3g/kg seed trichoderma viride 4g+ metalaxyl of the ridges at 10 cm apart.		5	La S	plant along with fertilizer for bette
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day Image: Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl			LI AMARICTI AL S	 Provide irrigation every alternat
Trichoderma viride 4g+ metalaxyl 4			SAIHA	day
(Apron)/ kg seed				Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed



ICAR RESEARCH COMPLEX FOR NEH REGION



French bean Germination stage Germination stage Poly house Foosibility of rain will be less comin five days. So alternate irrigation shou be done 2 days interval. Capsicum Transplant stage Poly house Thinning must be done. Brinjal Transplant stage Poly house Chilli will be planted in well pulverizz and leveled field. Brinjal Transplant stage Poly house Eminipal will be normally planted raised beds of 60 to 75 cm width. Brinjal Transplant stage Brinjal will be normally planted in well pulverized and leveled field. Brinjal Transplant stage Eminipal will be normally planted in raised beds of 60 to 75 cm width. Brinjal will be normally planted in raised beds of 60 to 75 cm width. In heavy soil it is usually transplant on ridges and during the rains also is advantageous to plant the seedling on ridges. Chilli Transplant stage Provide water every alternate day Chilli will be planted in well pulverize and leveled field. Provide water every alternate day Chilli will be planted in well pulverize and leveled field. Provide water every alternate day Chilli will be planted in well pulverize and leveled field. Provide water every alternate day Chilli will be planted in well pulverize and leveled field. Provide water every alternate day. Tom				
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Capsicum Transplant stage Poly house Chilli will be planted in well pulverize and leveled field. Brinjal Transplant stage Poly house 4 Chilli will be normally planted in raised beds of 60 to 75 cm width. Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in we pulverized and leveled field. Chilli Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Chilli Transplant stage Free of the transplant in beds or in shallow furrow dependin upon the availability of irrigation. Chilli Transplant stage Free of the transplant in stage Provide water every alternate day Chilli Transplant stage Free of the transplant in stage Provide water every alternate day Tomato Transplant stage Tomato will be planted in well pulverize and leveled field.	French bean		KOLASIB	
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stage and leveled field. Chilli will be normally planted raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day. Tomato Transplant stage Stage Tomato will be planted in we pulverized and leveled field.	Brinjal		LN	 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges.
stage pulverized and leveled field. Tomato will be normally planted in the stage of the stage o	Chilli	-		 Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²)
 The transplanting is done in small flue beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also 	Tomato	-		 Tomato will be planted in well pulverized and leveled field. Tomato will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending
			10 10 1	



ICAR RESEARCH COMPLEX FOR NEH REGION



			on ridges.
			4 Provide water every alternate day.
French bean	Germination		4 Possibility of rain will be less coming
	stage	6	five days. So alternate irrigation should
		2	be done 2 days interval.
		KOLASIE	4 Thinning must be done.
			4
Capsicum	Transplant	Poly house	Chilli will be planted in well pulverized and leveled field.
	stage	1 1	Chilli will be normally planted in
	3		raised beds of 60 to 75 cm width.
	1	()	Application of FYM (1.5-2.0 kg/ m ²)
			 Provide water every alternate day.
Potato	Sowing stage		 Prepare the land for potato cultivation
) alterna	without any further delay.
	1	(AIZAWL)	+ This may help to avoid some bacterial
	8	5 5	infection at growing stage.
	- S.:	Sec. and	4 Land may be ploughed thoroughly for
	1		proper tillage.
	2 6	~ 1 ~	4 If land is prepared good quality of
))		seeds may be collected for planting.
	1	SERCHN	+ Cultivation from TPS is also found
	1	V	profitable.
ANIMAL HUSBE			4 Seed must be treated before sowing.
Pig	All stages	2 X	4 Animals must keep in dry place or
8	in staget		kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3	second data second	animals.
	1	55	↓ 1 st injection at 6 months of age and
	1	11 (~~	2nd injection at 12 months of age
			followed by annual vaccination under
		125 6 1	vet supervision against FMD.
		1 LIN	 Reduce concentrate diet up to 5%. Provide adequate potable water.
			In present weather conditions
		Linner and	vaccinate against swine fever (Vaccines
		LAWNGTLAUS	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	198
			7 P a g e
			/ r age



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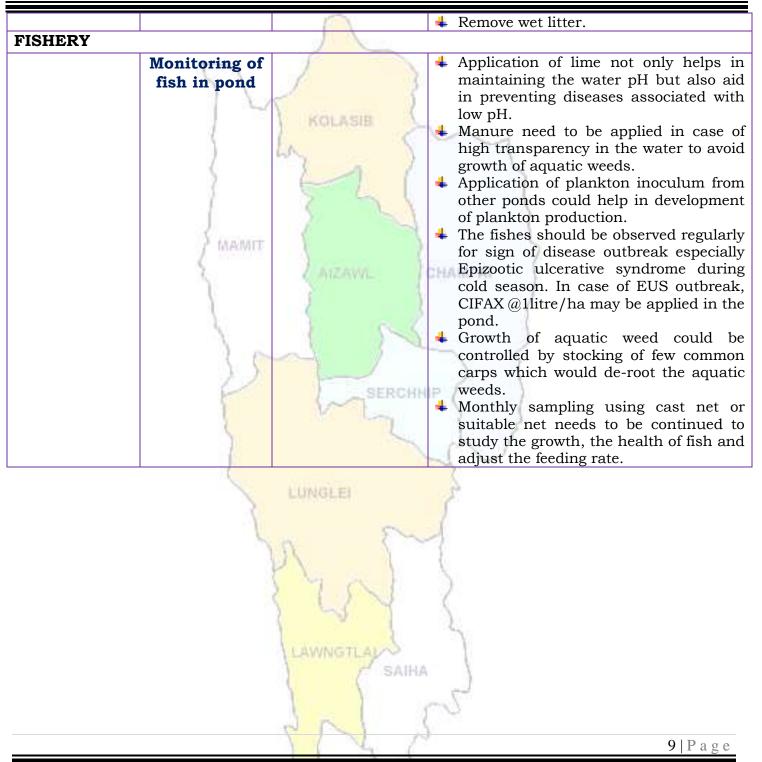


	Syndrome (PR	
Cattle All ag	MAMIT	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 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 under vet supervision.
Poultry All ag	e group	 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 teamed short. Provide preventive dose of anti-coccidial
	LUNGLEI	 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 drugs under vet supervision and
	LAWNGTLAK	 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 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.
	6	8 Page



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



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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





District: Lunglei

Period: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	25	25	25	24	25		
Min Temp (°C)	15	15	14	14	14		
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Mainly clear	Mainly cloudy		
Max RH (%)	80	78	81	78	75		
Min RH (%)	46	43	41	38	36		
Wind Speed (KmpH)	2	3	4	4	4		
*Wind Direction	E	S-E	S-E	S-E	S-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					
		1-31, 2017 (Percer					
Aizawl- 283.0mm	Champh	<mark>ai-</mark> 0.00mm	Saiha- 57.9 m		- 50.0mm		
(44.8mm)		(35.9mm)	(64.0m	•	(34.8mm)		
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		p-234.8mm		
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)		
Weather summary of	-	02 nd Decembe	e r – 06th Dec	ember, 2017	' chhunga		
three days	s	sik le	h sa dinhmi	un tur tlang	oui		
Maximum Tem. (°C):1	8-19°C	Tun ni 5 chhur					
Minimum Tem. (°C):1		tura beisei a ni.					
Maximum RH (%):80-		vawh lai ber in					
Minimum RH (%):61-0	CO 0(berin 75-81% le					
Wind Direction: North	h a a st a st a						
Cloud cover: Mainly o	100#	niin. Thli hi dar					
Wind speed: 1-2 km/	hr	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
- /		hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekl	y cumulative	<mark>rainfall:</mark> 00.0r	nm		
NDVI for Mizoram		North East Region 29 Aug 2017	Mildly dry	condition oc	curs in all		
			districts of				
			nt) war west Rubente				
			-				
		all. = 22.1					
		Applications regard to good some most of the parts functions due fragous and frequencies whether modernie region is noticed in of the region.	-				
		VIN	M		1 D a g a		
		-			1 P a g e		



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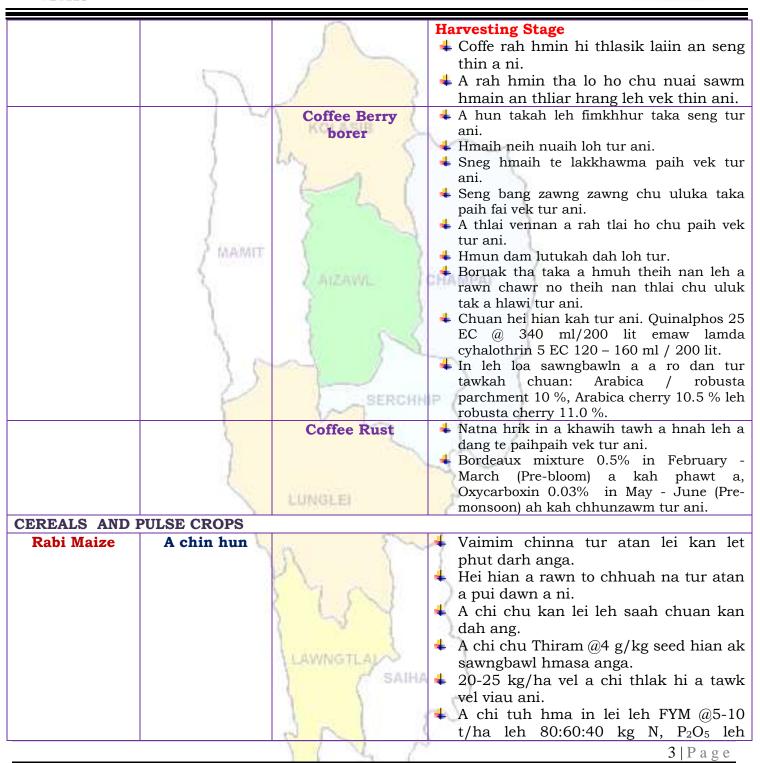


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	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
		22	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	No tang	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



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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.
		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. 0.25500.2	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



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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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





District: Mamit

Period: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	25	25	25	24	25
Min Temp (°C)	15	15	14	14	14
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly clear	Mainly cloudy
Max RH (%)	80	78	81	78	75
Min RH (%)	46	43	41	38	36
Wind Speed (KmpH)	2	3	4	4	4
*Wind Direction	E	S-E	S-E	S-E	S-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 (Percer			
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m		b- 50.0mm
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		p-234.8mm
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)
Weather summary of		Weather forec			er, 2017 To
three day			06 th Decemb	er, 2017.	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):84- Minimum RH (%):61-' Wind Direction: North Cloud cover: Partially Wind speed: 2 km/hr Rainfall: 00.0 mm NDVI for Mizoram	4-16°C 97% 78% heasterly v clear	There are no ch The maximum a days may rang relative humidity minimum may easterly to south hour. Clear sky v <i>Weekly</i>	nd minimum e for 24-25% y is expected i from 36-41%. easterly with t will prevail dur y cumulative Mildly dry districts of	temperatures for 2 and 14-15°C n the range of Wind direction he wind speed of ing the next five rainfall: 00.0 for condition of	or the next 5 C. Maximum 75-81% and on would be of 2-4 km per e days. mm
			~		1 P a g e



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Main One /	St.c.m	0141	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Fruiting stage	5	+ According to forecast and past weather
MANDARIN		KOLASIB	record, there is no probability of rainfall.
AND ACID			So weekly irrigation is required for
LIME)	60 J	upcoming week or use straw mulch
BANANA	- S		reduces soil water loss.
DAMAMA	5	Star La L	Collection of infected dropped fruit and buried in to soil.
		(L)	 ↓ Regular monitoring for trunk borer
STAR FRUIT	1		infestation.
SIAKTKUII	/ MAMIT		↓ Harvesting should be done along with
	S.	AIZAWAL	twig with two leaves.
PLUM AND	5	Concentrate:	↓ Diseased and senile branches should be
PEACH	1	5	removed
	200	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
	2 0		containing sugar or jeggery at 10 g/l at
	1)		fortnightly intervals at flowering and fruit initiation.
	1	Gummosis,	\downarrow Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne
			disease.
PLANTATION CR		1 1 10 17 1 1 10 1	
COFFEE	Fruiting stage	Providence.	According to forecast and past weather
	1	100	record, there is no probability of
	5	n ?~~	rainfall. So weekly irrigation is required
		1	for upcoming week or use straw mulch reduces soil water loss.
		the second	Replanting of new seedling
		6 1 5 53	▲ Medium to young seedling should be
		1 55 1	support by bamboo stake.
		1 1 1	4 Replace dead plant with young
		LAWNGTLAL	seedlings.
		- SAIHA	8
			Fruiting stage
			4 Foliar application of Mepiquat chloride
		NR I	@ 1000 PPM concentration or 0.75%
		VIL /	2 P a g e



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ICAR				
	$\sum_{i=1}^{n}$	KOLASIB		SSP @ 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 @ 1 ml/10 lt of water.
Rubber	Vegetative stage	AIZAWA	+ +	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from water loss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry CEREALS AND F	Vegetative stage		-	Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.
Kharif Rice	Harvesting	2 1 5 2 8	4	Birds scaring ribbon should be used
	stage	LAWNGTLAU	4	for scaring the birds. Harvest all mature panicle to reduce bird damage. Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation
		221	50	and no till pea and mustard/ toria
		112 M		3 P a g e



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			sowing.	
			4 After sun drying harvested pade	2
	1	5	recommended to be stored at	≤ 14%
	6	1	moisture.	
Rabi Maize	Vegetative	1 3	4 Thinning must be done where	more
	stage	V CONTRACTOR A	population was observed.	
	J	KOLASIB	4 Irrigation should be provide 3	days
		En S	interval	
	1	~~~)	♣ Apply 2% urea solution for	better
)		growth.	
	2	5 5	↓ Weeding and earthing up show	uld be
		5 54	carried out.	
	2		4 Leaf and stem cutter insect w	vill be
	/ MAMAT		more so apply any contact pois	on for
	5	A STATE	reducing pest population.	
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very le	ess. So
Greengram	stage	()	provide water every alternate day	
and		Sec. 19	4 Weeding should be done.	
blackgram	1	1 55	4 Collection and destruction of d	amage
Diachgiain	0 6	~ 1 ~	plant or plant part and spraying	of any
	1.1		systemic insecticide @ 2ml/lit	should
	0	SERCHN	be done.	
		(~)	♣ Apply 2% urea solution to avoid	stress
	1		condition.	
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very le	ess. So
Soybean	stage		provide water every alternate day	•
cultivation in			🖊 Weeding should be done.	
Jhum		LUNGLEI	Collection and destruction of d	amage
	3		plant or plant part and spraying	of any
	1	S	systemic insecticide @ 2ml/lit	should
		n (~	be done.	
			4 Apply 2% urea solution to avoid	stress
		Ng St. I	condition.	
Zero tillage	Vegetative	Zero tillage	\blacksquare Possibility of rain will be very le	
Toria	stage	55 1	provide water every alternate day	•
	-		Weeding should be done.	
		LAWNGTLAL	4 Collection and destruction of	
		- SAIHA	beetles and spraying of Nee	m oil
			@3ml/lit should be done.	
			4 Apply split dose of fertilizer for	better
			growth.	
		6 N N	4 1	
			4 P	a g e



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VEGETABLE CR	OP	
Ginger and turmeric	Vegetative stage	 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.
Early cole crop	Transplanting stage	 Land preparation ▲ Main land preparation for cabbage, cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m2) ✓ Fertilizer application 180:50:50 kg/ha.
		 Damping off 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.
Onion	Nursery stage	 Poly house Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternated



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			day
	5	$\langle \rangle$	 Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate
		KOLASIB	at 10-15 DAS are effective.
French bean	Germination stage	12 L	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Thinning must be done.
Capsicum	Transplant stage	Poly house	 Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Brinjal	Transplant stage		 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability or irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day
Chilli	Transplant stage		 Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Tomato	Transplant		+ Tomato will be planted in wel
	stage		pulverized and leveled field.



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	$\sum_{i=1}^{n}$	KOLASIB Damping off		Tomato will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day. Seed treatment with thiram 3g/kg seed or		
	{ MAINIT	AIZAWAL	14	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.		
Potato	Sowing stage	LUNGLEI	+++++++++++++++++++++++++++++++++++++++	Prepare the land for potato cultivation without any further delay. This may help to avoid some bacterial infection at growing stage. Land may be ploughed thoroughly for proper tillage. If land is prepared good quality of seeds may be collected for planting. Cultivation from TPS is also found profitable. Seed must be treated before sowing.		
ANIMAL HUSBEN						
Pig	All stages	LAWINGTLAL	+ + ++++	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines		
7 P a g e						



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		0	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
	1 mm	Reproductive	
		Respiratory	
		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	All age group		 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 drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet
		251	uays: interineulate plus/ibb



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FISHERY	5	\sum	 vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond	AIZAWA BERCHIN	 Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH. Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds. Application of plankton inoculum from other ponds could help in development of plankton production. The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @11itre/ha may be applied in the pond. Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds. Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.
		LAWINGTLA	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)



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Mamit

Period: 02 December - 06 December, 2017

Bulletin No: -	753/2017/	Bulletin/Mizo
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Date of issue: 01st December, 2017

Rainfall (mm)00000Max Temp (°C)2525252425Min Temp (°C)1515141414Cloud CoverageClear skyClear skyClear skyMainly clearMainly cloudyMax RH (%)80788175Min RH (%)4643413836Wind Speed (KmpH)2344444*Wind DirectionES-ES-ES-ES-ES-ENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S.S. Southerly- S.South-Westerly- S-W, Westerly-W, North-westerly- N-W.Status of Post Monsoon- October 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawl- 283.0mm (44.8mm)Champhai-0.00mm (35.9mm)Saha- 57.9 mmKolasib- 50.0mm (34.8mm)Laweytlai-135.3mm (54.1mm)Lunglei-130.3mm (35.9mm)Maint-231.0mm (56.3mm)Serchhip-234.8mm (56.3mm)Waxinum Tem. (°C):24-26°C Minimum RH (%):84-97% Minimum RH (%):84-97% Minimum RH (%):84-97% Minimum RH (%):61-78% Wind Direction: Northeasterly Cloud cover: Partially clear Wind speed: 2 km/hrTun ni 5 chlung lo awm turah hian ruahtui tla miahlo tura beissi a ni. Khua a lum lai berin 36-41% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuini tun ni nga chhung hian khawthiang tak hmuh beisei a ni.NDVI for MizoramWeekly cumulative rainfall: 00.0mmMildly dry condition occurs in all districts of Mizoram.	Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017			
Min Temp (°C)1515141414Cloud CoverageClear skyClear skyClear skyMainly clearMainly clear <t< th=""><th>Rainfall (mm)</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th></t<>	Rainfall (mm)	0	0	0	0	0			
Cloud Coverage Max RH (%)Clear skyClear skyMainly clearMainly cloudyMax RH (%)8078817875Min RH (%)4643413836Wind Speed (KmpH)23444*Wind DirectionES-ES-ES-ES-ENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.Status of Post Monsoon- October 1-31, 2017 (Percent of deviation from normal in parenthesis)Aizawl- 283.0mmChamphai- 0.00mmAizawl- 283.0mmChamphai- 0.00mmSaiha- 57.9 mmKolasib- 50.0mm(34.8mm)(44.8mm)(35.9mm)(64.0mm)(34.8mm)(35.9mm)(64.0mm)Lawngtlai-135.3mmLunglei-130.3mmMamit-231.0mmSerchhip-234.8mm(54.1mm)(33.7mm)(17.9mm)(56.3mm)Weather summary of the past three days02ndDecember - 06 th December, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C):14-16°CTun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 36-41% ni tura a rin niim. Thi hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramWindly curve unitative rainfall: 00.0mm	Max Temp (°C)	25	25	25	24	25			
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Wind Speed (KmpH) 2 3 4 4 4 *Wind Direction E S-E S-E S-E S-E S-E S-E S-E Northerly- N, North-Easterly- N-E, Easterly- S. South-Easterly- N-W, South-Easterly- S. South-Westerly- S. W, Westerly- W, North-westerly- N-W. Status of Post Monsoon- October 1-31, 2017 (Percent of deviation from normal in parenthesis) Aizawi- 283.0mm Champhai- 0.00mm Safa- 57.9 mm Kolasib- 50.0mm (44.8mm) (35.9mm) (64.0mm) (34.8mm) Lawngtlai-135.3mm Lunglei-130.3mm Mamit-231.0mm Serchhip-234.8mm (54.1mm) (33.7mm) (17.9mm) (56.3mm) Weather summary of the past three days 02ndDecember - 06th December, 2017 chhunga sik leh sa dinhmun tur tlangpui Maximum Tem. (°C):24-26°C Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 24-25°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 75-81% leh a hniam lai berin 36-41% ni tur a rin niim. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Weekly cumulative rainfall: 00.0mm	Max RH (%)	80	78	81	78	75			
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Maximum RH (%):84-97% Minimum RH (%):61-78% Wind Direction: Northeasterly Cloud cover: Partially clear Wind speed: 2 km/hrvawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 75-81% leh a hniam lai berin 36-41% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramMildly dry condition occurs in all districts of Mizoram.	• •			0					
Minimum RH (%):61-78% Wind Direction: Northeasterly Cloud cover: Partially clear Wind speed: 2 km/hrberin 75-81% leh a hniam lai berin 36-41% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramMildly dry condition occurs in all districts of Mizoram.	Maximum RH (%):84-		U						
Wind Direction: Northeasterly Cloud cover: Partially clear Wind speed: 2 km/hrniin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramMildly dry condition occurs in all districts of Mizoram.	Minimum RH (%):61-								
Cloud cover: Partially clear awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram.	Wind Direction: North	hoostorly							
wind speed: 2 km/nr hian khawthiang tak hmuh beisei a ni. Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Image: Comparison of the stages of the	Cloud cover: Partially								
Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Image: state st	Wind speed: 2 km/hr								
Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Mildly dry condition occurs in all Image: Comparison of the set o			nian knawtniang	g tak nmun bei	sei a ni.				
NDVI for Mizoram Ref Rat Rate Part Rate Mildly dry condition occurs in all districts of Mizoram.	Rainfall: 00.0 mm								
districts of Mizoram.			Weekl	y cumulative	rainfall: 00.0r	nm			
districts of Mizoram.									
	NDVI for Mizoram		North East Region 29 June 2017	5 5		curs in all			
			~	districts of	Mizoram.				
Traces dol forgettes a visues incidente segur la codesti n set				ni / ani mat					
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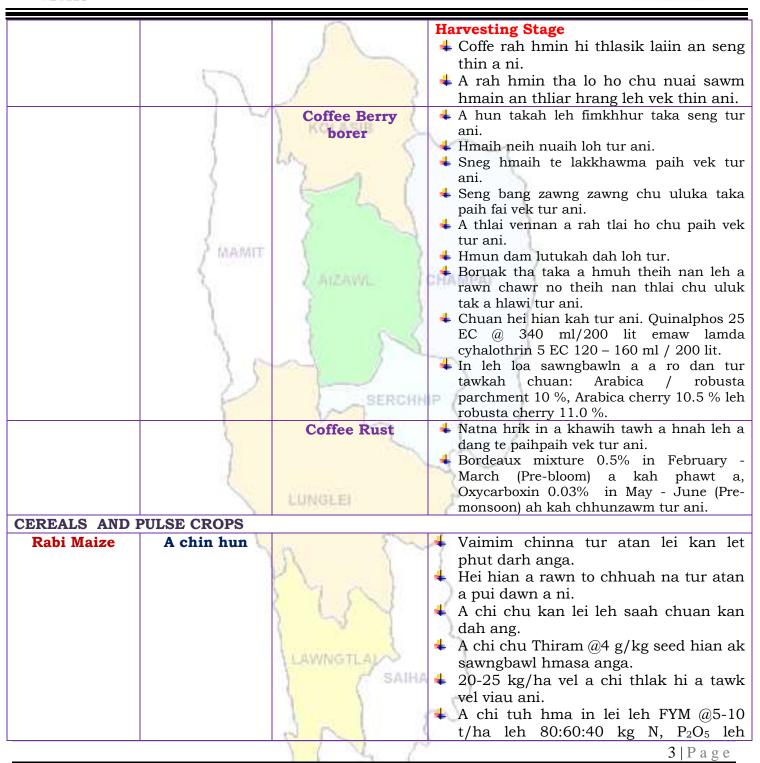


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur				
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul				
AND ACID		1 NOLMOID >	velah dahkhawm tur ani.				
LIME)	La N	4 Thlai naupang deuah chuan chawlh				
	(3 4 1	kar tin a tui pek thin tur ani.				
BANANA	2		4 Leia tha mamawh tawk a hmuh				
	1	2 5	theihna turin a hmunhma a hnim awm				
			te thlawhfai thin tur ani.				
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha				
	f interavit k	5	taka pek hian a rah tla tur chelh nan				
	3.0	Z ARZAWIL I	leh a rah than that nan te leh a rah				
PLUM AND			keh tur lakah t a veng thei ani.				
PEACH	1						
	100	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				
		greening and	a trangah te hnawih tur ani.				
	11	Dieback					
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu				
	1	V	heng te hian enkawl tur ani: carbaryl 0.2				
	5		percent emaw malathion 0.15 percent				
	10		suspension containing sugar or jeggery at				
	100 C		10 g/l.				
PLANTATION CR							
COFFEE	All stages	2010/00/2010/1	Nursery stage				
		1994 C	+ Thlai chi thlak hma in Azospirillum leh				
	5	n 7~	Phosphobacterium a enkawl tur ani.				
		1	+ A chi hi December – January ah hmun				
			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	4 Nitin tui pek tur ani a, a sat lutuka loh				
		SAIHA	nan niin a chhun loh nan zar hliah tur				
		(SAINA					
			4 Ni 45 hnu velah a tiak thin a,chu chu				
		1 2 1	bag ah an sawn chhuak leh thin ani.				
		6151 A					
	2 P a g e						



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Souhean neo		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 highat 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		 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
		612	4 P a g e



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		\cap	awm thin a , hei hi natna tlanglawn
			ber ani.
	1000 C	5	🔸 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
	1	CAL	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.
	- N	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 Col	↓ Zikhlum lam chi ah chuan sik leh
		(sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
		Commences and the	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		J J	Mancozeb @ 2gm ah tui leter 1
			🔨 pawlha kah tur ani.
		P N N	
			5 P a g e



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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.
	AMAT	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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	57.	\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 CLASSE .		ani.
	Preventive	0-3 rd week	ŧ	Ranikhet Disease- an pian atanga ni
	measures	LA.		1-6 ah F1 vaccine pek tur ani a, chuan
	(1 1		a puitlingh chuan R ₂ B vaccine pek tur
	1			ani.
		Ath me also	-	B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	MARANT	a mist www		coccidiostat
	2. 0.000000	4-5 th Weeks	10 M 1	Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CH	AMPAI }
	Stocking and	1	4	Dil a chinai hman hian tui thur tur a
	monitoring	Sec. and		veng mai nilovin, tuithur avang a natna
	(Sangha	1 159		lo awm thei lak atangin sangha a veng
	chhuah leh	~ 1 1 ~		thei.
	enkawl)		+	Dil tui a fim lutuk avanga hnim lo to
	0	SERCHN	(P)	tur vennan leitha dilah hman thin tur a
		V		ni. Dil tui fim hutula ah akuan aanaha
	2		-	Dil tui fim lutuk ah chuan sangha chaw (plankton) a lo insiam theihnan,
	0		1.11	plankton tamna tui dil dang atangin
	08		-il	dahluh thin tur ani.
	and the second	Manager 1	4	Sangha ten natna an kai leh kai loh
		LUNGLEI	9	enfiah reng thin tur ani. Sangha pan a
	1		1	lo awm anih chuan dil tuiah CIFAX @1
		Sec.	1	litre/ha (hectare khat ah litre khat)
		11	1	pawlh a a enkawl tur ani.
		P Var and V	4	Dil a hnim to tih rem nan common carp
		17.01	1	tlem a zawng chhuah thin ani a,
		1 La Y	1	common carp te hian dil hnim zung
				atangin a phawi thin ani
		LAWNGTLANS	4	Sangha hriselna, a than dan leh a chaw
		- SAIHA		pek zat tur hriatna turin thla tin a
		((SAINA		sangha man a a rihzawng enfiah zel tur
			1000	ani.
		1 2 1		£
				710000
		4 6		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)



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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: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	27	27	26	
Min Temp (°C)	13	12	12	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Partially clear	Mainly cloudy	
Max RH (%)	75	77	80	84	84	
Min RH (%)	33	26	23	30	33	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	E	E	E	
		Easterly- <mark>N-E</mark> , Easterly-				
		Westerly- <mark>S-W</mark> , We				
Status of Post Mor						
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m		- 50.0mm	
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)	
Lawngtlai-135.3mm	Lungle	i-130.3mm	Mamit-231.0m		p-234.8mm	
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)	
Weather summary	-	Weather forec		02 nd Decembe	er, 2017 To	
three day		06 th December, 2017.				
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):78- Minimum RH (%):63- Wind Direction: North Cloud cover: Mainly of Wind speed: 0-1 km/ Rainfall: 00.0 mm NDVI for Mizoram	5°C 92% 76% heasterly clear	There are no ch The maximum a days may rang relative humidity minimum may easterly with the will prevail durir Weekly	and minimum te for 26-27°C y is expected i from 26-33%. e wind speed of the next five y cumulative Mildly dry districts of	temperatures for C and 11-13°C n the range of Wind direction of 4 km per how days. Trainfall: 00.0 for condition of	or the next 5 C. Maximum 75-84% and on would be ur. Clear sky	
			~		1 P a g e	



ICAR RESEARCH COMPLEX FOR NEH REGION



Main One I	Sterre .	0141				
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Fruiting stage	5	+ According to forecast and past weather			
MANDARIN		KOLASIB	record, there is no probability of rainfall.			
AND ACID		0.	So weekly irrigation is required for			
LIME)	60 J	upcoming week or use straw mulch			
BANANA	S		reduces soil water loss. 4 Collection of infected dropped fruit and			
DAIMAINA	5	State 1	buried in to soil.			
		(L)	 ↓ Regular monitoring for trunk borer 			
STAR FRUIT			infestation.			
STAR FROM	/ MAMIT		↓ Harvesting should be done along with			
	5) (astronge	twig with two leaves.			
PLUM AND	5	CAIZAWL J	4 Diseased and senile branches should be			
PEACH	8	5	removed			
	200	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent			
	1		or malathion 0.15 per cent suspension			
	2 6	~ 1	containing sugar or jeggery at 10 g/l at			
	1)		fortnightly intervals at flowering and fruit			
	2	SERCH	initiation.			
	1	Gummosis, citrus canker,	4 Due to low temperature and humidity disease appearance will more. Use Bordeaux			
	5	citrus greening	past in tree trunk, twigs and branches			
		and Dieback	protect healthy plant from soil borne			
	UN I	and Dieback	disease.			
PLANTATION CR	OP					
COFFEE	Fruiting stage	LUNGLEI	4 According to forecast and past weather			
	1		record, there is no probability of			
	6	m 8~	rainfall. So weekly irrigation is required			
		16	for upcoming week or use straw mulch			
		P Var and V	reduces soil water loss.			
			Replanting of new seedling			
	,	1 55 4	4 Medium to young seedling should be support by homboo stake			
			support by bamboo stake. 4 Replace dead plant with young			
		LAWNGTLAN	seedlings.			
		- SAIHA				
		((SAINA	Fruiting stage			
			Foliar application of Mepiquat chloride			
			(a) 1000 PPM concentration or 0.75%			
L	1					
2 P a g e						



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ICAR				
	$\sum_{i=1}^{n}$	KOLASIB	+	SSP @ 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 @ 1 ml/10 lt of water.
Rubber	Vegetative stage	AIZAWA.	4 4 4 4 4	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from waterloss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
Strawberry CEREALS AND F	Vegetative stage		4	Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.
Kharif Rice	Harvesting stage	144		Birds scaring ribbon should be used for scaring the birds.
		LAWNGTLAL	. 4	Harvest all mature panicle to reduce bird damage. Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation and no till pea and mustard/ toria
				3 P a g e



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1				
				sowing.
			4	After sun drying harvested paddy is 5
				recommended to be stored at \leq 14%
	17			moisture.
Rabi Maize	Vegetative	2 2	4	Thinning must be done where more
Rubi Muize		5		population was observed.
	stage	KOLASIB		Irrigation should be provide 3 days
	((interval
)	WA ST		
	(8 1 1		Apply 2% urea solution for better
	1	the second of the second se		growth.
	1	2 2 1	-	Weeding and earthing up should be
		2		carried out.
	Same			Leaf and stem cutter insect will be
	/ MAMIT	X 7		more so apply any contact poison for
	S	Laszana I		reducing pest population.
Zero tillage	Vegetative	Zero tillage		Possibility of rain will be very less. So
Greengram	stage)		provide water every alternate day.
and	2		4	Weeding should be done.
blackgram	1		4	Collection and destruction of damage
Jucksrum	0 6		-	plant or plant part and spraying of any
	11			systemic insecticide @ 2ml/lit should
	0	SERCHN	i to	be done.
	5	1 Aller	4	Apply 2% urea solution to avoid stress
	5			condition.
Zero tillage	Vegetative	Zero tillage	4	Possibility of rain will be very less. So
Soybean	stage		-	provide water every alternate day.
cultivation in	a congo		4	Weeding should be done.
Jhum		LUNGLEI		Collection and destruction of damage
onum	3	research all the second second		plant or plant part and spraying of any
	1		-	systemic insecticide @ 2ml/lit should
	1	n 7~~	-	be done.
		131	4	Apply 2% urea solution to avoid stress
				condition.
Zero tillage	Vegetative	Zero tillage		Possibility of rain will be very less. So
Toria	stage	2010 tillage		provide water every alternate day.
1 011a	stage	1 N 1		Weeding should be done.
		Contractor and Contractor		Collection and destruction of Blister
		LAWNGTLAN		beetles and spraying of Neem oil
		SAIHA		@3ml/lit should be done.
				Apply split dose of fertilizer for better
				growth.
		a NI		giuwui.
		VIV A		4 P a g e



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VEGETABLE CR	OP		
Ginger and turmeric	Vegetative stage	KOLASIB	 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 or 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.
Early cole crop	Transplanting stage	Land preparation	 Main land preparation for cabbage, cauliflower, broccoli and knolkhol. Plough the field 3-4 times. Planting distance, plant to plant 45 cm and row to row (60-70) cm Application of FYM (1.5-2.0 kg/ m2) Fertilizer application 180:50:50 kg/ha. Seed treatment with thiram 3g/kg seed or
		Damping off	 Seed treatment with thrain 3g/kg seed of 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.
Onion	Nursery stage	Poly house	 Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternate day
			Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
		SN 1	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



French bean Germination stage at 10-15 DAS are effective. French bean Germination stage Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Capsicum Transplant stage Poly house Chilli will be planted in well pulverized and leveled field. Brinjal Transplant stage Poly house Chilli will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Chilli Transplant stage Brinjal will be planted in well pulverized and leveled field. Chilli Transplant stage Brinjal will be planted in well pulverized and leveled field. Frowide water every alternate day. Frowide water every alternate day. Chilli Transplant stage Frowide water every alternate day. Frowide water every alternate day.				
stage five days. So alternate irrigation should be done 2 days interval. Capsicum Transplant stage Poly house Brinjal Transplant stage Chilli will be planted in well pulverized and leveled field. Brinjal Transplant stage Poly house Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Brinjal Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Chilli Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. Tomato Transplant stage Forvide water every alternate day. Tomato Transplant stage			2	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
stage and leveled field. Brinjal Transplant stage Provide water every alternate day. Brinjal Transplant stage Brinjal will be planted in well pulverized and leveled field. Brinjal Transplant stage Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Chilli Transplant stage Chilli will be normally planted in raised beds of 60 to 75 cm width. Tomato Transplant stage Frovide water every alternate day. Tomato Transplant stage Frowide water every	French bean			
stage pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day Chilli Transplant stage Tomato Transplant stage Tomato Transplant stage Tomato Transplant stage In heavy soil it is usually transplanted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/m2) Provide water every alternate day. Tomato Transplant stage In heavy soil it is usually transplanted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/m2) Provide water every alternate day. Tomato will be planted in well pulverized and leveled field. In heavy soil it is usually transplanted in raised beds of 60 to 75 cm width. In heavy soil it is usually transplanted in raised beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on rigges and during the rains also it is on rigges and during the rains also it is advantageous to plant the seedlings on rigges and during the rains also it is advantageous t	Capsicum	_	Poly house	 Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²)
stage and leveled field. Tomato Transplant stage Tomato Transplant stage Image: Ima	Brinjal		LA	 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges.
 stage pulverized and leveled field. Tomato will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings 	Chilli	-		and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m ²)
	Tomato	-		 Tomato will be planted in well pulverized and leveled field. Tomato will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending
			P N N	



ICAR RESEARCH COMPLEX FOR NEH REGION



			on ridges.
			Provide water every alternate day.
French bean	Germination		4 Possibility of rain will be less coming
	stage		five days. So alternate irrigation should
	Stuge	1 2	be done 2 days interval.
	1 had		4 Thinning must be done.
	1	KOLASIB	4
Capsicum	Transplant	Poly house	4 Chilli will be planted in well pulverized
_	stage	~~~)	and leveled field.
	7		4 Chilli will be normally planted in
	1	5 5	raised beds of 60 to 75 cm width.
	1	5	4 Application of FYM (1.5-2.0 kg/ m^2)
	Daman		Provide water every alternate day.
Potato	Sowing stage	1	+ Prepare the land for potato cultivation
	S	LAIZAWE I	without any further delay.
			4 This may help to avoid some bacterial
	1	1 2	infection at growing stage.
	10	S' all	4 Land may be ploughed thoroughly for
	1		proper tillage.
			If land is prepared good quality of seeds may be collected for planting.
	12		I Cultivation from TDS is also found
		SERCHN	profitable.
	l.	V La	 Seed must be treated before sowing.
ANIMAL HUSBE	NDARY		
Pig	All stages	N 100	4 Animals must keep in dry place or
8			kept in alleviated area and dry bedding
		LUNGLEI	(straw) to be provided to young
	3	energia de la construcción de	animals.
		55	4 1 st injection at 6 months of age and
	2	n (~~	2nd injection at 12 months of age
			followed by annual vaccination under
		1 4 25-1	vet supervision against FMD.
			+ Reduce concentrate diet up to 5%.
		20 1	+ Provide adequate potable water.
		Lange and the second seco	4 In present weather conditions
		LAWNGTLAU	vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1. Cuming of positive pigs of pigiets.
		Respiratory	2
L	I	reopineory	1990
			7 P a g e



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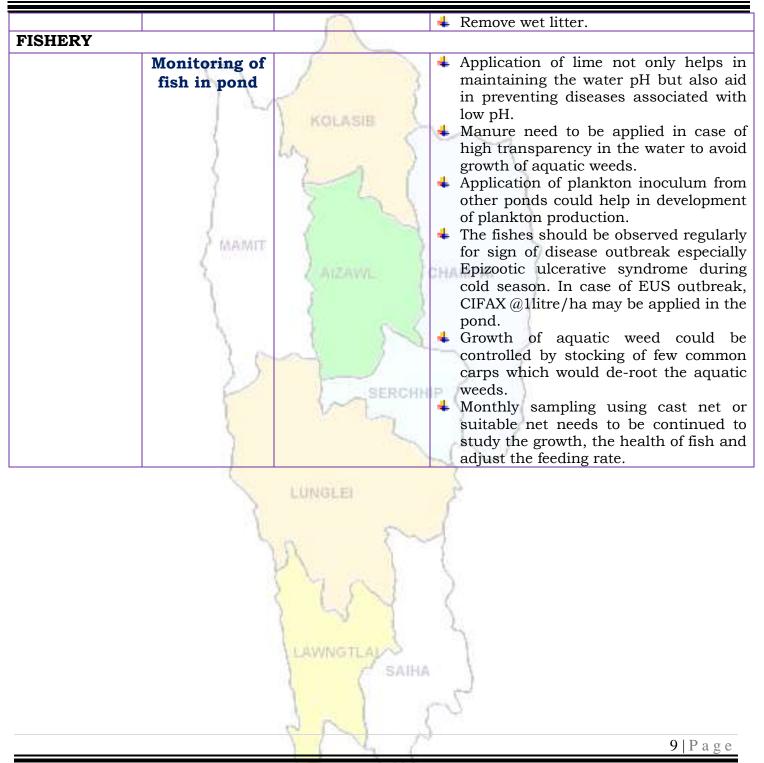


		Syndrome (PRRS).	
Cattle	All age group		↓ In present weather conditions, special
	1	S S	care should be taken against attack of
		1	maggots in the wounds of animals.
		-	Application of turpentine oil in the
		KOLASIE	wounds followed by application of
	1) NULASIB	antibiotics for five days is advised.
)	Lo.	Provide UMB/Molases if possible in the
	1	1 1 1	feed
	2		Provide 10-30 ml of vitamin B-Complex
	1		in feed
	1	5	4 1 st injection at 6-8 weeks of age, 2nd
	Roman		injection after 6 months of 1 st injection
	J' MAMIT	2 2	followed by annual vaccination under
	S	LAIZAWL I	vet supervision.
	1	Concerne.	Separate sick animals.
	Y	5 Y	4 The animal should be washed with
	200		lukewarm water added with little
	1 St. 1		potash (KMnO4) or neem leaves.
	2 6		4 Long hair near the
	(1)		udder/stomach/back legs should be
		SERCHH	teamed short.
Poultry	All age group	W T	+ Provide preventive dose of anti-coccidial
	5		drugs to poultry.
			Proper ventilation of shed.
			+ Provide glucose/electral along with
	100	WHICH AND	vitamin supplements (@5- 6ml/100
		LUNGLEI	birds) with adequate potable water Avoid overcrowding.
	1		Provide broad-spectrum antihelminthic
	L	5	drugs under vet supervision and
		D N	recommended doses.
			↓ Vaccination as per the schedule with
		1 7 6 1	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
		Contractor and Contractor	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine 35 days: E/Lasota 67
		SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
	1	NO S	
			8 P a g e



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



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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: Saiha

Period: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Max RH (%)7577Min RH (%)3326Wind Speed (KmpH)44*Wind DirectionEENortherly- N, North-Easterly- N-E, Easterly Southerly- S, South-Westerly- S-W, WesterlStatus of Post Monsoon- October 1-31, 2017 (Percent of C Aizawl- 283.0mmChamphai- 0.00mm Saih (44.8mm)Lawngtlai-135.3mm (44.8mm)(35.9mm)Lawngtlai-135.3mm (54.1mm)Lunglei-130.3mm (33.7mm)Weather summary of the past three days 02nd December – sik leh saMaximum Tem. (°C):17-19°C Minimum RH (%):78-92% Wind Direction: Northeasterly Cloud cover: Mainly clear Wind speed: 0-1 km/hrTun ni 5 chhung lo tura beisei a ni. Khua vawh lai ber in 11-1 berin of 75-84% leh a niin. Thli hi darkar k zawngin a tleh rin a hian khawthiang takNDVI for Mizoramwetekly cut	12.2017 05.12	a.2017 06.	12.2017			
Min Temp (°C)1312Cloud CoverageClear skyClear sky<	0 (0	0			
Cloud CoverageClear skyClear sky	27 2	27	26			
Max RH (%)7577Min RH (%)7577Min RH (%)3326Wind Speed (KmpH)44*Wind DirectionEENortherly- N, North-Easterly- N-E, Easterly Southerly- S, South-Westerly- S-W, WesterlStatus of Post Monsoon- October 1-31, 2017 (Percent of of Aizawl- 283.0mm (44.8mm)Champhai- 0.00mm (35.9mm)Lawngtlai-135.3mm (44.8mm)Lunglei-130.3mm (35.9mm)Mam (33.7mm)Weather summary of the past three daysO2 nd December - sik leh saMaximum Tem. (°C):17-19°C Minimum RH (%):78-92% Wind Direction: Northeasterly Cloud cover: Mainly clear Wind speed: 0-1 km/hrTun ni 5 chhung lo tura beisei a ni. Khua vawh lai ber in 11- berin of 75-84% leh aniin. Thli hi darkar k zawngin a tleh rin a hian khawthiang takNDVI for MizoramWeekly cur	12 1	.1	11			
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*Wind DirectionEENortherly- N, North-Easterly- N-E, Easterly Southerly- S, South-Westerly- S-W, WesterlStatus of Post Monsoon- October 1-31, 2017 (Percent of of Aizawl- 283.0mm (44.8mm)Lawngtlai-135.3mm (44.8mm)Champhai- 0.00mm (35.9mm)Lawngtlai-135.3mm (54.1mm)Lunglei-130.3mm (33.7mm)Weather summary of the past three days02ndDecember - sik leh saMaximum Tem. (°C):17-19°C Minimum RH (%):78-92% Wind Direction: Northeasterly Cloud cover: Mainly clear Wind speed: 0-1 km/hrTun ni 5 chhung lo tura beisei a ni. Khua vawh lai ber in 11- berin of 75-84% leh a niin. Thli hi darkar k zawngin a tleh rin a hian khawthiang takNDVI for MizoramInterlage InterlageMMUVI for MizoramInterlage InterlageMMoving Seed:0.1 km/hrInterlage InterlageMMoving Speed:0.1 km/hrInterlage InterlageMMoving Speed:0.1 km/hrInterlage InterlageMMuta Speed:0.1 km/hrInterlage InterlageMMinimum RHInterlage InterlageMMMinimum RHInterlage InterlageMMMinimum RHInterlage InterlageMMMinimum RHInterlage InterlageMMInterlage InterlageInterlage InterlageMMinimum RHInterlage InterlageInterlage InterlageMInterlage InterlageInterlage InterlageMInterlage InterlageInterlage Interl	23 3	80	33			
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three dayssik leh saMaximum Tem. (°C):17-19°CTun ni 5 chhung loMinimum Tem. (°C):15°CTun ni 5 chhung loMaximum RH (%):78-92%tura beisei a ni. KhuaMinimum RH (%):63-76%wwh lai ber in 11-5Wind Direction: Northeasterly Cloud cover: Mainly clear Wind speed: 0-1 km/hrberin of 75-84% leh a niin. Thli hi darkar ki zawngin a tleh rin a hian khawthiang takRainfall: 00.0 mmweekly cutNDVI for MizoramNot the state of	(17.9mm)		.3mm)			
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Maximum Tem. (°C):17-19°C Minimum Tem. (°C):15°C Maximum RH (%):78-92% Minimum RH (%):63-76% Wind Direction: Northeasterly Cloud cover: Mainly clear Wind speed: 0-1 km/hrTun ni 5 chhung lo tura beisei a ni. Khua vawh lai ber in 11-1 berin of 75-84% leh a niin. Thli hi darkar ki zawngin a tleh rin a hian khawthiang takRainfall: 00.0 mmWeekly cutNDVI for MizoramMethod kapen a a method kapen a a method kapen a wind speed: 0-1 km/hr	sik leh sa dinhmun tur tlangpui					
d	Minimum Tem. (°C):15°C Maximum RH (%):78-92% Minimum RH (%):63-76% Wind Direction: Northeasterly Cloud cover: Mainly clear Wind speed: 0-1 km/hrtura beisei a ni. Khua a lum lai berin 26-27°C a ni ang a. vawh lai ber in 11-13°C ni tura beisei a ni. RH san l berin of 75-84% leh a hniam lai berin 26-33% ni tur a r niin. Thli hi darkar khatah 4 km vela chakin chhaklam a zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhur hian khawthiang tak hmuh beisei a ni.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0mm					
Agritulion region i sport and of the specific liver and a specific liver	Aildly dry cond listricts of Mizora	m.	s in all			



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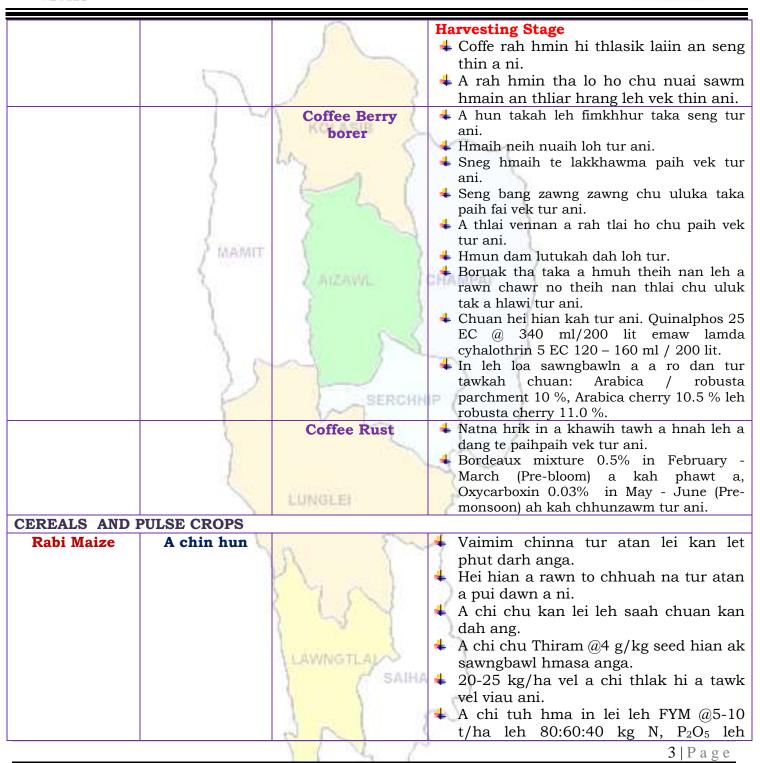


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 NOLHOID	velah dahkhawm tur ani.		
LIME)	LA N	4 Thlai naupang deuah chuan chawlh		
	(3 4 1	kar tin a tui pek thin tur ani.		
BANANA	2		4 Leia tha mamawh tawk a hmuh		
	1	2 5 1	theihna turin a hmunhma a hnim awm		
		2 24	te thlawhfai thin tur ani.		
STAR FRUIT	S IN RATE		4 A seng hma kar 6 chhung chu tui tha		
	/ MAIMIT	5	taka pek hian a rah tla tur chelh nan		
		LAIZAWAL I	leh a rah than that nan te leh a rah		
PLUM AND			keh tur lakah t a veng thei ani.		
PEACH	1	1			
	10	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang		
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh		
		greening and	a trangah te hnawih tur ani.		
	11	Dieback			
	F	Fruit fly RCHH	+ Huan zau takah chuan a par tan tirh leh a		
	1	Vila	rah tan tirin chawlhkar hnih chhung chu 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	Profile Street	Nursery stage		
	1		+ Thlai chi thlak hma in Azospirillum leh		
		m En	Phosphobacterium a enkawl tur ani.		
		16	🖊 A chi hi December – January ah hmun		
		P Var and V	zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		101	🚽 tlar mumal tak siam in chin tur ani.		
		1 La Y	+ Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		Company of the second	븆 Nitin tui pek tur ani a, a sat lutuka loh		
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur		
		SAIHA	ani.		
		1 D	4 Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
		P N S	p		
		1 L	2 P a g e		



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	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	 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	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	LAWNGTLAN	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		F Z A	4 P a g e



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Onion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: Capsicum<				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radish<		5	KOLASIB	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageHightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hnch 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 stage4 Tui pek à hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma 			AIZAWA	 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.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		 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. 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
			P 12 2)



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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.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN 2	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	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
	6	1 1		ani.
	1	the second se	4	B complex with antibodies
	- f	4 th weeks	1	Coccidiosis- Amprolium or
		T- WCCRS	-	coccidiostat
	MAMIT	A Eth Wester		
	0.0000000	4-5 th Weeks	1 H 1	Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHA	MPAI }
	Stocking and	1	4	Dil a chinai hman hian tui thur tur a
	monitoring	Sec. 1		veng mai nilovin, tuithur avang a natna
	(Sangha	1 159		lo awm thei lak atangin sangha a veng
	chhuah leh	~ 1 1 ~		thei.
	enkawl)		+	Dil tui a fim lutuk avanga hnim lo to
	0	SERCHN	P	tur vennan leitha dilah hman thin tur a
		w l		ni. D'il teri fine lateri e la successione de
	1		+	Dil tui fim lutuk ah chuan sangha
	3			chaw (plankton) a lo insiam theihnan,
			1	plankton tamna tui dil dang atangin dahluh thin tur ani.
	12	Managere	(Sangha ten natna an kai leh kai loh
		LUNGLEI	- 03	enfiah reng thin tur ani. Sangha pan a
	5		2	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 65	0	tlem a zawng chhuah thin ani a,
	N N	1 Li Y	1	common carp te hian dil hnim zung
			2	atangin a phawi thin ani
		A company of the	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
			Ť	ani.
		1 = 1	-	2
		P N N		
		1 4 6		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)



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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: 02 December - 06 December, 2017

Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	26	26	25	25		
Min Temp (°C)	13	12	12	12	12		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy		
Max RH (%)	85	84	84	78	75		
Min RH (%)	26	26	23	24	26		
Wind Speed (KmpH)	4	4	4	4	4		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,	•		
		Westerly- <mark>S-W</mark> , We					
Status of Post Mor	nsoon- October	1-31, 2017 (Percen	nt of deviation fr	om normal in pa	renthesis)		
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m	m Kolasil	- 50.0mm		
(44.8mm)		(35.9mm)	(64.0m		(34.8mm)		
Lawngtlai-135.3mm	Lungle	i-130.3mm	Mamit-231.0m		p-234.8mm		
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)		
Weather summary	of the past	Weather forec	ast valid from	02nd Decembe	er, 2017 To		
three day	s	06 th December, 2017.					
Maximum Tem. (°C):1	L8-20°C	There are no chances of rainfall during the next 5 days.					
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5					
Maximum RH (%):81-	94%	days may range for 25-26°C and 12-13°C. Maximum					
Minimum RH (%):62-		relative humidity is expected in the range of 75-85% and					
Wind Direction: Nort	· · · · · · · · · · · · · · · · · · ·	minimum may from 23-26%. Wind direction would be					
Cloud cover: Clear sk	· ·	easterly with the wind speed of 4 km per hour. Clear sky					
Wind speed: 0 km/hr	,	will prevail during the next five days.					
		win prevan durin	ig the next live	uays.			
Rainfall: 00.0 mm							
		ωεεκι	y cumulative i	rainfall: 00.0 1	nm		
NDVI for Mizoram		North East Report 19 June 1917	5 5	condition oc	curs in all		
			districts of	Mizoram.			
			groot maneers				
			- see				
		Aprilation speech good some hore of the open functions					
		Trave and Vegnades, whereas motions region is notice to of the region.					
		512	19		1 D a g a		
		-	1		1 P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/ Stage Cultural Agricultural / Horticultural / animal					
Main Crop/	Stage		Agricultural / Horticultural / animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Fruiting stage	5	+ According to forecast and past weather		
MANDARIN		KOLASIB	record, there is no probability of rainfall.		
AND ACID	() () () () () () () () () ()	1.	So weekly irrigation is required for		
LIME)	60 J	upcoming week or use straw mulch		
BANANA	S		reduces soil water loss. 4 Collection of infected dropped fruit and		
DAMAMA	5	State 1	buried in to soil.		
		(L)	♣ Regular monitoring for trunk borer		
STAR FRUIT			infestation.		
STAR FROM	MAMIT		↓ Harvesting should be done along with		
	C massiver	1 automation 1	twig with two leaves.		
PLUM AND	1	(AIZAWIL)	↓ Diseased and senile branches should be		
PEACH	1	5	removed		
	200	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent		
	1		or malathion 0.15 per cent suspension		
	2 6	~ 1	containing sugar or jeggery at 10 g/l at		
	(1)		fortnightly intervals at flowering and fruit		
	2	SERCH	initiation.		
	1	Gummosis,	4 Due to low temperature and humidity disease appearance will more. Use Bordeaux		
	5	citrus canker,	past in tree trunk, twigs and branches		
		citrus greening and Dieback	protect healthy plant from soil borne		
		and Dieback	disease.		
PLANTATION CR	OP				
COFFEE	Fruiting stage	LUNGLEI	♣ According to forecast and past weather		
	S.		record, there is no probability of		
		Ser En	rainfall. So weekly irrigation is required		
		J.	for upcoming week or use straw mulch		
		P Variation V	reduces soil water loss.		
		1751	Replanting of new seedling		
		1 48 4	4 Medium to young seedling should be		
		A A	support by bamboo stake.		
		LAWNGTLAN	4 Replace dead plant with young		
			seedlings. 4 Fertilizer dose should be maintained.		
		SAIHA	Fruiting stage		
			Foliar application of Mepiquat chloride		
			(a) 1000 PPM concentration or 0.75%		
		P D A	Ŭ		
			2 P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION



ICAR					
	$\sum_{i=1}^{n}$	KOLASIB		SSP @ 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 @ 1 ml/10 lt of water.	
Rubber	Vegetative stage	AIZAWL SERCHN		According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Use grass or straw mulch to prevent from water loss. Medium to young seedling should be support by bamboo stake. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.	
Strawberry CEREALS AND F	Vegetative stage		-	Possibility of rain will be very less. So provide water every alternate day. Possibility to occurrence of Powdery mildew will be high so apply any sulpher based fungicide to reduce disease incidence. Weeding should to do properly with proper fertilizer use.	
Kharif Rice	Harvesting	2 1 1 2 1	4	Birds scaring ribbon should be used	
	stage	LAWNGTLAL	4	for scaring the birds. Harvest all mature panicle to reduce bird damage. Harvesting should be done on sunny day at least 15 cm above the ground for moisture conservation and no till pea and mustard/ toria	
L	l	R IN N	-		
	3 P a g e				



ICAR RESEARCH COMPLEX FOR NEH REGION



			sowing.
			4 After sun drying harvested paddy is 5
		C	recommended to be stored at $\leq 14\%$
			moisture.
Rabi Maize	Vegetative	2 2	4 Thinning must be done where more
Kabi Maize		5	population was observed.
	stage	KOLASIB	↓ Irrigation should be provide 3 days
	(0	interval
)	60 J	
	(1 1 1	4 Apply 2% urea solution for bette
	1		growth.
	1	2 5	4 Weeding and earthing up should be
		1 21	carried out.
	Second and	1	4 Leaf and stem cutter insect will be
	1 MAMIT	1 X 1	more so apply any contact poison for
	5	Laszana }	reducing pest population.
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very less. So
Greengram	stage		provide water every alternate day.
and		Sec. 12	4 Weeding should be done.
	1	1 1 1	4 Collection and destruction of damage
blackgram	0 0	1 1 1 ×	plant or plant part and spraying of any
	105		systemic insecticide @ 2ml/lit should
	0	SERCHN	hadama
	1	SERCHH	4 Apply 2% urea solution to avoid stress
	1	No Long	condition.
Zero tillage	Vegetative	Zero tillage	4 Possibility of rain will be very less. So
Soybean	stage		provide water every alternate day.
cultivation in	Stage		 Weeding should be done.
		LUNGLEI	4 Collection and destruction of damage
Jhum	2	New York Street and	plant or plant part and spraying of any
	1		systemic insecticide @ 2ml/lit should
	-	m 8~	be done.
		11	Apply 2% urea solution to avoid stress
			condition.
Zoro tillara	Vogotatina	Zono tilloro	 ↓ Possibility of rain will be very less. So
Zero tillage	Vegetative	Zero tillage	
Toria	stage	(provide water every alternate day.
		Sugar margaretter	4 Weeding should be done.
		LAWNGTLAU	+ Collection and destruction of Blister
		/ SAIHA	beetles and spraying of Neem oi
		1 1	@3ml/lit should be done.
			4 Apply split dose of fertilizer for better
		N R	growth.
		111	4 P a g e



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VEGETABLE CR	VEGETABLE CROP				
Ginger and turmeric	Vegetative stage	 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. 			
Early cole crop	Transplanting stage	 Land preparation ▲ Main land preparation for cabbage cauliflower, broccoli and knolkhol. ✓ Plough the field 3-4 times. ✓ Planting distance, plant to plant 45 cm and row to row (60-70) cm ✓ Application of FYM (1.5-2.0 kg/m2) ✓ Fertilizer application 180:50:50 kg/ha. 			
		Damping off 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.			
Onion	Nursery stage	 Poly house Plough the land to a fine tilth and form ridges and furrows at 45 cm spacing. Sow the bulbs on both the sides of the ridges at 10 cm apart. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide irrigation every alternated 			



ICAR RESEARCH COMPLEX FOR NEH REGION



			day
	5	$\langle \rangle$	 Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 captan or 3 copper oxychloride/ lt of wate
	a	KOLASIE	at 10-15 DAS are effective.
French bean	Germination stage	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	 Possibility of rain will be less comin five days. So alternate irrigation should be done 2 days interval. Thinning must be done.
Capsicum	Transplant stage	Poly house	 Chilli will be planted in well pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/ m²) Provide water every alternate day.
Brinjal	Transplant stage	LUNGLEI	 Brinjal will be planted in well pulverized and leveled field. Brinjal will be normally planted in
Chilli	Transplant stage	LAWNGTLAL	 Chilli will be planted in weil pulverized and leveled field. Chilli will be normally planted in raised beds of 60 to 75 cm width. Application of FYM (1.5-2.0 kg/m²)
Tomato	Transplant		Tomato will be planted in well
	stage		pulverized and leveled field.
			·



ICAR RESEARCH COMPLEX FOR NEH REGION



	AMIT	KOLASIB Damping off		Tomato will be normally planted in raised beds of 60 to 75 cm width. The transplanting is done in small flat beds or in shallow furrow depending upon the availability of irrigation. In heavy soil it is usually transplanted on ridges and during the rains also it is advantageous to plant the seedlings on ridges. Provide water every alternate day. Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
Potato	Sowing stage		4	 Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Prepare the land for potato cultivation without any further delay. This may help to avoid some bacterial infection at growing stage. Land may be ploughed thoroughly for proper tillage. If land is prepared good quality of seeds may be collected for planting. Cultivation from TPS is also found profitable. Seed must be treated before sowing.
ANIMAI UIIODEI			-	Seed must be treated before sowing.
ANIMAL HUSBEI Pig	All stages	LAWINGTLAU	+ + +++	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines 7 Page



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			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
	1 mm	Reproductive	
	1	Respiratory	
		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	All age group		 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 drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet
		6 1 1)
			8 P a g e



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FISHERY	5	vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
		Remove wet litter.
Moni	toring of in pond	 Application of lime not only helps in maintaining the water pH but also aid in preventing diseases associated with low pH. Manure need to be applied in case of high transparency in the water to avoid growth of aquatic weeds. Application of plankton inoculum from other ponds could help in development of plankton production. The fishes should be observed regularly for sign of disease outbreak especially Epizootic ulcerative syndrome during cold season. In case of EUS outbreak, CIFAX @11itre/ha may be applied in the pond. Growth of aquatic weed could be controlled by stocking of few common carps which would de-root the aquatic weeds. Monthly sampling using cast net or suitable net needs to be continued to study the growth, the health of fish and adjust the feeding rate.
	LAWNGTLA	SAIHA 9 Page



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



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LAWNGTLA SAIHA

10 | P a g e



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

Guwahati)



District: Serchhip

Period: 02 December - 06 December, 2017

Bulletin No: -	753/2017/	Bulletin/Mizo
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Date of issue: 01st December, 2017

Parameters	02.12.2017	03.12.2017	04.12.2017	05.12.2017	06.12.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	26	25	25	
Min Temp (°C)	13	12	12	12	12	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Mainly cloudy	Mainly cloudy	
Max RH (%)	85	84	84	78	75	
Min RH (%)	26	26	23	24	26	
Wind Speed (KmpH)	4	4	4	4	4	
*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>	,	
		Westerly- <mark>S-W</mark> , We				
		1-31, 2017 (Percer				
Aizawl- 283.0mm	Champh	<mark>ai- 0.00mm</mark>	Saiha- 57.9 m		ib- 50.0mm	
(44.8mm)		(35.9mm)	(64.0n		(34.8mm)	
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		1ip-234.8mm	
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)	
Weather summary of		02 nd December – 06 th December, 2017 chhunga				
three day	S	sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):81- Minimum RH (%):62-' Wind Direction: North Cloud cover: Clear sk Wind speed: 0 km/hr Rainfall: 00.0 mm	4-18°C 94% 73% heasterly y	Tun ni 5 chhung lo awm turah hian ruahtui tla mia tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang vawh lai ber in 12-13°C ni tura beisei a ni. RH sar berin 75-85% leh a hniam lai berin 23-26% ni tur a niin. Thli hi darkar khatah 4 km vela chakin chhaklam zawngin a tleh rin a ni. A tlangpuiin tun ni nga chh hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 00.0mm Moderately wet mildly dry/mildly				
		Advantance and a second	conditions		1 P a g e	



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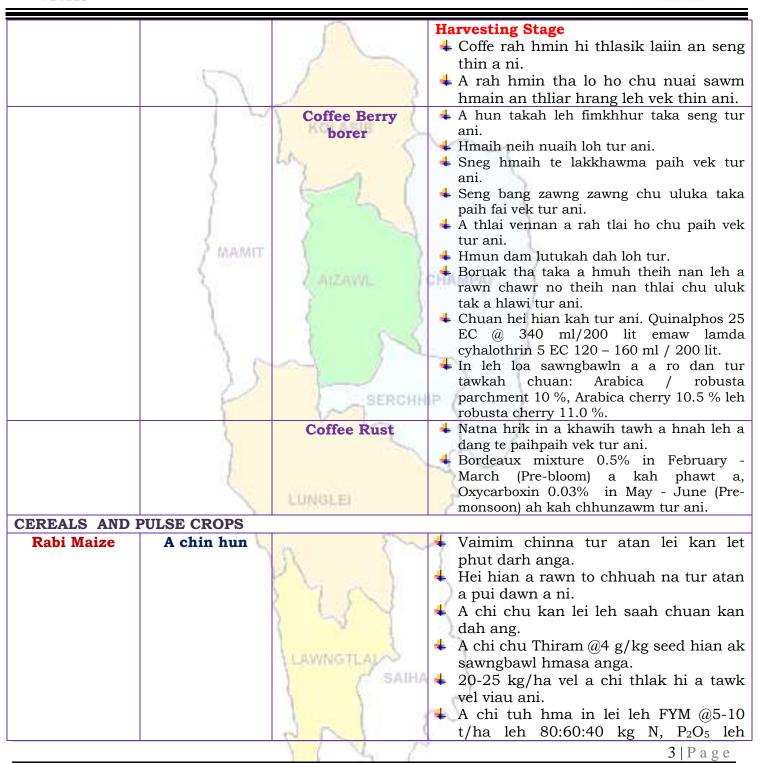


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	velah dahkhawm tur ani.
LIME)	LA.	4 Thlai naupang deuah chuan chawlh
	6	3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5 (taka pek hian a rah tla tur chelh nan
	3.0	Z ATZAWIL /	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
	100	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
	3	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	and the second s	Nursery stage
		1990 C	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5	n Tro	Phosphobacterium a enkawl tur ani.
		1	♣ A chi hi December – January ah hmun
		Char See V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1 2 1	bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2 P a g e



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ICAR			
	5	ni. Nitrogen dos hunlaia hman bang 25% chu ang a adang leh hman tur a ni.	chu hman phawt tur a se chanve chu a chi tuh tur a ni a, tichuan a thla khat hnu ah ani n 25% chu a par hunah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	tui pek thin tur Lei rih vur hian ani. Thlasik lai a le	heih nan nikhat danah ani. thlai kung te a veng ve ei khoro lutuk tur ven h hnim leh thildanga
Potato VEGETABLE CR	Sowing stage	 chu buatsaih v Hei hian a thai lakah a veng da Lei leh hmain taka thlawh hm A chi thlak hm hmasak tur an 	n hun laiin natna hrikin awn ani. a hmun hma chu fai nasak tur ani. na in a chi chu en fiah i. cheih nan nikhat danah
Tomato	Bacterial Blight disease	 natna an kaina Hmun hnawng hmunah chuar ani. Tomato hi a ua Ridomil emaw 	chuan sik leh sa hi tlang lawn ber ani . g leh ni hmu lo lutuk natna an kai hma bik ni a, a thih mai loh nan Indofil emaw Mancozeb liter 1 ah pawlh a kah
Early Cole crop	Black spot disease	 A than a that is tui pek thin tui Thlai bul vawn hnim ring vaw zawhah dah tui Zikhlum lam 	hnawn nana thlai bula vm khawm hi tui pek



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		0	awm thin a , hei hi natna tlanglawn
			ber ani.
	1000 C		4 Thlai hna lam chi leh zikhlum lam
	8.2	1	chi reng reng enkawl nan Mancozeb
		2 5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIR	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum		GA D	tui pek thin tur ani.
-	(· · ·	1 1	👃 Thlai bul vawn hnawn nana thlai bula
	3	Contraction of the second	hnim ring vawm khawm hi tui pek
	1		zawhah dah tur ani.
		/	+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	C manual	A CONTRACTOR OF	tui liter 1 zelah pawlh a kah hi a tha
		D1-stanthans	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	- S.	blight	(Apron)/ kg seed hi a tha hle ani
			Hneh taka 1% Bordeaux chawhpawlh
	2 6	~ 1	emaw 2 g captan emaw 3 copper
))		oxychloride a tui liter 1 hi 10-15 DAS a
Decest to a	O and a starter starter	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	V~L	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
	1	C.A.	na turin a kung bulah lei vur chhoh zel
		L (INVISE E)	tur ani.
Carrot and	Sowing stage		A than a that theih nan nikhat danah
radish		0	tui pek thin tur ani.
	5	n (~~	👎 Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		M Rel	Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		1 -2 1	rawn awm thina, hei hi natna
		Lange and the second second	tlanglawn ber ani.
		LAWNGTLAN	🔸 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
		the second second	🔨 pawlha kah tur ani.
		N N N	
			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.
	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 /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga ni
measures	La l	1-6 ah F1 vaccine pek tur ani a, chuan
(1 1 1	a puitlingh chuan R ₂ B vaccine pek tur
1		ani.
(4 th weeks	B complex with antibodies
	4 ^{ch} weeks	Coccidiosis - Amprolium or
1 MADALE	4 545 777 1	coccidiostat
1. U28567-3.	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	(ATZAWIL)	CHAMPAI
Stocking and	5	+ Dil a chinai hman hian tui thur tur a
monitoring	Star and	veng mai nilovin, tuithur avang a natna
(Sangha		lo awm thei lak atangin sangha a veng
chhuah leh	~ 1	thei.
enkawl)		Dil tui a fim lutuk avanga hnim lo to tur vennan leitha dilah hman thin tur a
-	SERCHN	ni.
1	W L	 III. Dil tui fim lutuk ah chuan sangha
2		chaw (plankton) a lo insiam theihnan,
		plankton tamna tui dil dang atangin
		dahluh thin tur ani.
	A Constant and	🔸 Sangha ten natna an kai leh kai loh
S	LUNGLEI	enfiah reng thin tur ani. Sangha pan a
		lo awm anih chuan dil tuiah CIFAX @1
	w En	🥕 litre/ha (hectare khat ah litre khat)
	11	pawlh a a enkawl tur ani.
		+ Dil a hnim to tih rem nan common carp
	2 1 5 1	tlem a zawng chhuah thin ani a,
	1 55 7	common carp te hian dil hnim zung
	1 1 1 1	atangin a phawi thin ani
	LAWNGTLAN	Sangha hriselna, a than dan leh a chaw pek zat tur hriatna turin thla tin a
	- SAIHA	sangha man a a rihzawng enfiah zel tur
		ani.
I		
	N N	
	VIV	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)



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