

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Aizawl

Bulletin No: - 805/2018/ Bulletin/English

Period: 07 July – 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018		09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	4	10	9	41	10	
Max Temp (°C)	30	30	32	31	31	
Min Temp (°C)	14	12	14	14	13	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	91	98	89	92	90	
Min RH (%)	80	84	68	61	68	
Wind Speed (KmpH)	10	5	2	2	3	
*Wind Direction	S	S	S-E	E	S-E	
Northe	rly- <mark>N</mark> , North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
		31, 2018 (Percent o				
Aizawl- 383.68mm	-		<mark>aiha</mark> - 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm)	(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm		-411.72mm	
(285.5mm)		.86.21mm)	(442.80mm		(259.8mm)	
Weather summary o	of the past	Weather fore	cast valid fron	n 07 th July, 201	18 To 11 th	
three days	S	July, 2018.				
Maximum Tem. (°C):2	6-29ºC	There are chances of moderate to light and heavy rainfall				
Minimum Tem. (°C):10		during the next 5 days. The maximum and minimum				
Maximum RH (%):96-9		temperatures for the next 5 days may range for 30-32°C and 12-14°C. Maximum relative humidity is expected in				
Minimum RH (%):67-8						
Wind Direction: South	hoostor!			2	-	
Cloud cover: Mainly c	loudy	the range of 89		2		
Wind speed: 3.58 km/		Wind direction	would be sou	atherly to sou	theasterly to	
wind speed: 5.58 kin/		easterly and southeasterly with the wind speed of 2-10 km				
Rainfall: 26.5 mm		per hour. Manly cloudy sky will prevail during the next five				
Rainiali: 20.5 mm		days.				
		uuyo.				
		Westel	u oumulation	nainfall: 74 0		
				rainfall: 74.0		
NDVI for Mizoram		25.54		condition oc	curs in all	
		53	districts of	Mizoram.		
		- Diger	1			
		C ST	}			
		- A	. Net			
		Agriculture vigour to moderate over some of the per- region.	tion hard			
		V V	11		1 Page	

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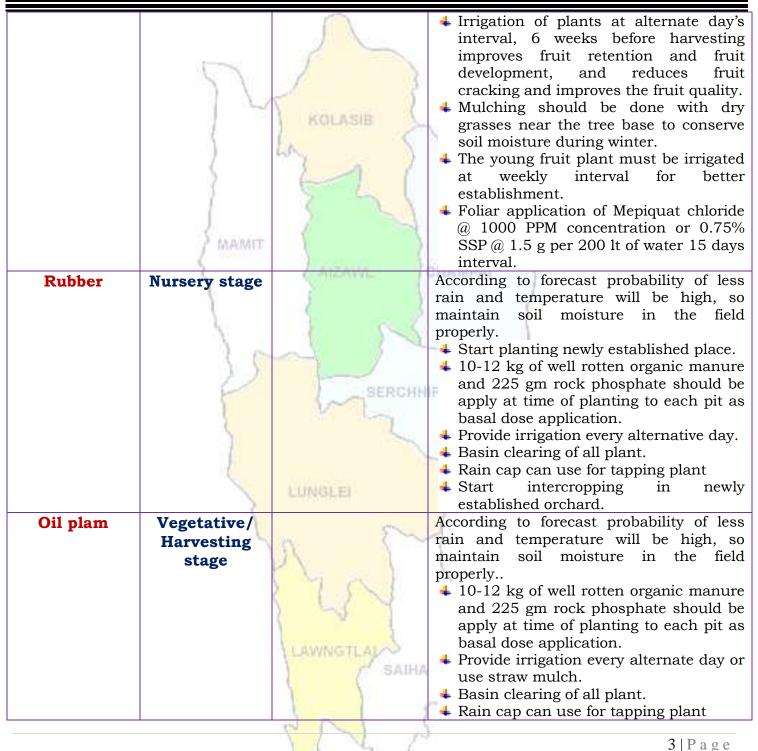


Main Crond	Store	Culturel	Agniculture 1 / Henticulture 1 / entire 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Nursery and	5	According to forecast probability of less	
MANDARIN	gap filling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



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		Start intercropping in newly
		established orchard.
		◆ Fruits are harvested when they attain
		full size, develop attractive colour with
	2.1	optimum sugar and acid blend.
Passion Fruit	Tropoplanting	
Fassion Fruit	Transplanting	
	stage	quality fulls and free of virus diseases
)	should be selected to provide cuttings.
	(A cutting should contain at least 3
	2	buds and must be planted in sand
	1	beds.
	1	↓ 10-12 kg of well rotten organic manure
	R. marine	and 225 gm rock phosphate should be
	/ MAMIT	apply at time of planting to each pit as
	S.	basal dose application.
	- S	Provide irrigation every alternate day or
		use straw mulch.
	<u> </u>	Grafting:
	1	+ The root stock of yellow Passion fruit is
	1	planted in polythene sleeves and the
	18 6 8	section from Rahangala hybrid is
	11	grafted using wedge or eppressh
		method of grafting.
	1	 Provide irrigation every alternate day or
		use straw mulch.
CEREALS AND	PULSE CROPS	use straw indicit.
Maize	Vegetative	According to forecast probability of less
(Jhum)	stage	rain and temperature will be high, so maintain soil moisture in the field
	1	properly.
	6	Earthing up soil for better growth and
		stability in root zone.
		Use split dose of any nitrogenous
	0	fertilizer for better growth.
Maize	Sowing stage	+ Two to three plough are necessary to
		get the soil well pulverized and weed
		LAWNGTLAL free.
		SAIHA Seed is being placed in furrows.
		Seed should be treated with Thiram
		@4 g/kg seed.
		Use optimum seed rate (20-25 kg/ha)
		41D
		4 P a g e



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	7	KOLASIB	 for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Kharif Rice	Nursery stage	AIZAWL	 Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHH	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
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Cucurbitaceo	Fruiting stage	0	4 According to forecast probability of
us crop	5 5		less rain and temperature will be high,
	1		so maintain soil moisture in the field
	50	1	properly.
		2 8	Provide split doses of urea (70g/pt) at
	1 100	KOLASIE	the time of full blooming.
	1	1 monorione 2	4 Apply irrigation every alternate day or
)	LA N	use straw mulch for conserve soil moisture.
	(1 1	 In large gardens apply carbaryl 0.2 per
	1		cent or malathion 0.15 per cent
	E.	5 21	suspension containing sugar or
			jeggery at 10 g/l at fortnightly
	MAMIT		intervals at flowering and fruit
	2	100000	initiation against fruit fly and
	5	(AIZAWL)	pumpkin beetle.
Chilli	Vegetative to	5	4 According to forecast probability of
	flowering	Sec. and	less rain and temperature will be high,
	stage	1 55	so maintain soil moisture in the field
		~ 1 ~	properly.
))		4 Earthing up soil for better growth and
		SERCHN	stability in root zone.
	1	V~1_	Apply irrigation every alternate day or use straw mulch for conserve soil
	1		moisture.
			Don't use split dose of any nitrogenous
	1		fertilizer for better growth.
		LUNGLEI	↓ If possible use straw mulch/ grass
	2	Provide States and States an	mulch in row to prevent moisture loss
		and the second s	and better growth of plant.
	1	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
		1 9 25-1	fortnightly intervals at flowering and fruit
			initiation.
Cowpea	Vegetative	1 -2 1	According to forecast probability of less
_	stage	And the second second second	rain and temperature will be high, so
	_	LAWNGTLAN	maintain soil moisture in the field
		SAIHA	properly.
		1 1	4 Earthing up soil for better growth and
			stability in root zone.
		P N S	Don't use split dose of any nitrogenous
			6 P a g e



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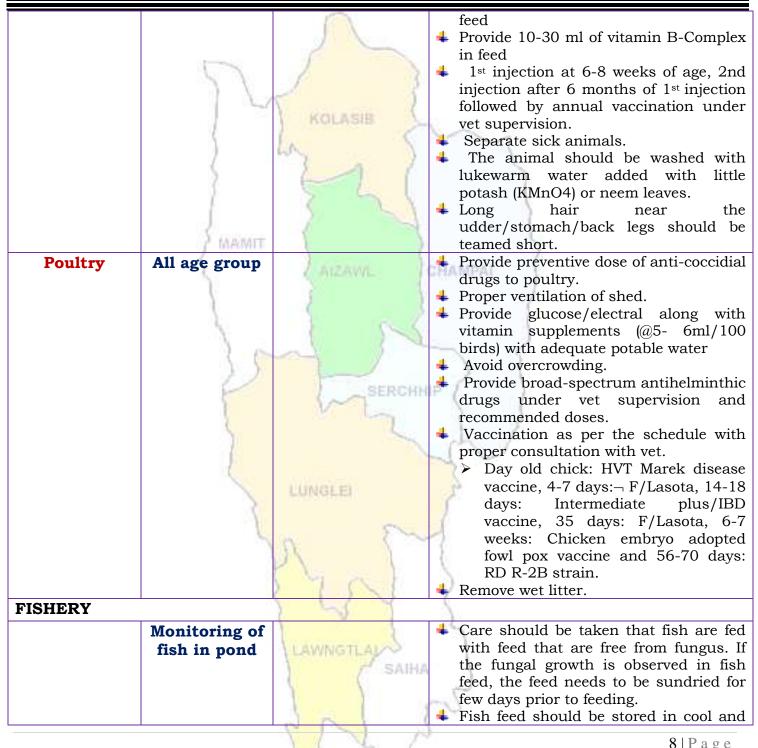


			fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer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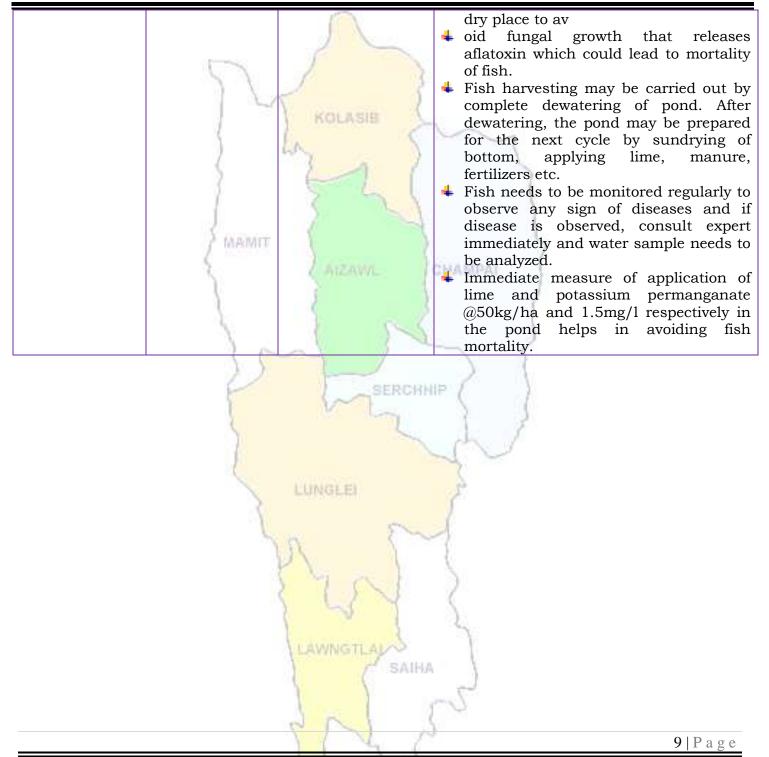






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LAWNGTLA SAIHA

10 | P a g e



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District: Aizawl

Period: 07 July - 11 July, 2018

Date of issue: 06th July, 2018

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Wind Speed (KmpH)	10	5	2	2	3		
*Wind Direction	S	S	S-E	E	S-E		
Northe	erly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
		31, 2018 (Percent					
Aizawl- 383.68mm	Champha	i- 239.49mm	Saiha- 109.52 m		352.38mm		
(341.8mm)	T	(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm (285.5mm)	Lungiei	-344.00mm (186.21mm)	Mamit-449.48m (442.80m	-	p-411.72mm (259.8mm)		
Weather summary	of the nest			18 chhunga :			
three day					sik ieli sa		
`		dinhmun tur tlangpui					
Maximum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 30-32°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai					
Maximum RH (%):96-							
Minimum RH (%):67-		berin 89-98% leh a hniam lai berin 61-80% ni tur a rin					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi darl	kar khatah 2-1	0 km vela chak	kin chhaklam		
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	awi zawngin a tl	eh rin a ni. A tl	angpuiin tun n	i nga chhung		
Wind speed: 3.58 km	/hr	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.					
Rainfall: 26.5 mm			5				
Kainiali: 20.5 mm		Weekl	u cumulative	rainfall: 74.0r	nm		
			9				
NDVI for Mizoram		North East Region 24 Ju	Mildly dry	condition oc	curs in all		
NDVI IOI MIZOIAIII		~	districts of		cuis in an		
		523	districts of	mizorani.			
		Frank I					
		200	1				
		A.A	J West				
		Agrituiture organs is moderate over some of the par- region.	ta Narth				
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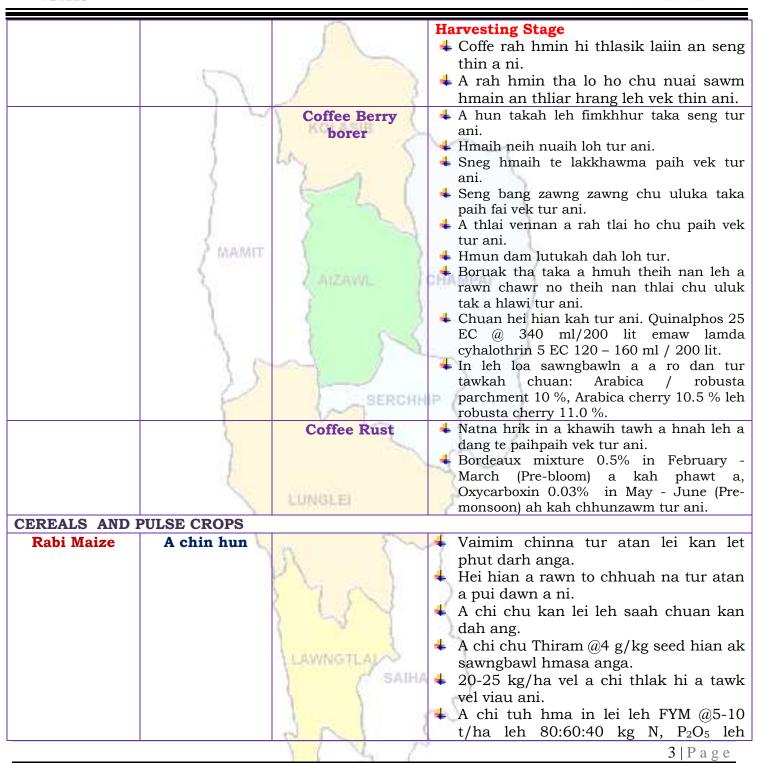


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		<u>.</u>	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 moundaire 2	velah dahkhawm tur ani.
LIME)	La J	🖊 Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		🖊 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	3	Z AIZAWAL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	Nº La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	10 m		10 g/l.
PLANTATION CR			
COFFEE	All stages	CONTRACTOR IN	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum 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
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		((Shink	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
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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	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		V V P	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	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.
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAL
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		900	6 P a g e



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 Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/1 dilitui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 				
Preventive measures 0-3 rd week 4 Ranikhet Disease- an pian atanga ra 1-6 ah FI vaccine pek tur ani a, chuaa a puitlingh chuan R ₀ B vaccine pek tu ani. 4th weeks 4 Coccidiosis- Amprolium o coccidiostat 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4 Sangha te hi chaw a hmuar kai I chaup pek thin tur ani. Sangha chaw li o hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw li a hmuar lohna turi hin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a dibuatsaih tur ani. Sangha te natna lak atangin an him en thi hian a kumleh a sangha khawinan a dibuatsaih tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natna avang a thi tur lai atangin a veng thei.		5	\sum	 tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh tu
measures 1-6 ah F1 vaccine pek tur ani a, chuat a puttingh chuan R2B vaccine pek tur ani. 4th weeks Coccidiosis- coccidiositat 4.5th Weeks Collicitiosis- coccidiositat FISHERY 4.5th Weeks Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw l o hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dathat tur ani a, hmuar atang a tur lo insear thin, aflatxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lai atangin a veng thei.		Preventive	0-3 rd week	
Ath weeks Ath weeks		10	(
 4th weeks 4th weeks 4-5th Weeks Calcium tonic fortified with B₁₂ FISHERY Monitoring (Sangha enkawi) Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in is a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahta tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh anii chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 			W 2 2 1	
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 4-5th Weeks Calcium tonic fortified with B₁₂ FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 		1	5 5	
FISHERY Monitoring (Sangha enkawl) * Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. * Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. * Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. * A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiat sangha natna avang a thi tur lai atangin a veng thei.			4 th weeks	-
FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. Sangha chaw hi enkawl) Sangha chaw hi a hmuar lohna turii hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Di sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anii chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natna avang a thi tur lai atangin a veng thei.		Summer		
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 (Sangha enkawl) (Sangha enkawl) (Sangha enkawl) (Sangha chawli a hmuar ani, chuan pek hma in ni si a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lai atangin a veng thei. 	FISHERY	2	AIZAWIL	CHAMPAI }
7 Dece		(Sangha		 chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahta tur ani a, hmuar atang a tur lo inseat thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a ci buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him et tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha let tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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

Guwahati)



District: Champhai

Bulletin No: - 805/2018/ Bulletin/English

Period: 07 July – 11 July, 2018

Date of issue: 06th July, 2018

D		00.05.0010	00.05.0010		11050010		
Parameters	07.07.2018		09.07.2018	10.07.2018	11.07.2018		
Rainfall (mm)	14	10	15	28	16		
Max Temp (°C)	22	22	22	23	23		
Min Temp (°C)	13	14	14	13	12		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear		
Max RH (%)	98	90	90	90	90		
Min RH (%)	92	80	66	58	63		
Wind Speed (KmpH)	6	3	2	2	2		
*Wind Direction	S	S	S-E	N-E	S		
Northe	rly- N, North	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- S-E,			
		Westerly- <mark>S-W</mark> , We					
Status of Pre Me	onsoon- May 1	-31, 2018 (Percent	of deviation from	n normal in parer	nthesis)		
Aizawl- 383.68mm			aiha- 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>	-	p-411.72mm		
(285.5mm)		186.21mm)	(442.80mm	1	(259.8mm)		
Weather summary		Weather fore		n 07thJuly, 20 1	18 To 11 th		
three day	S	July, 2018.					
Maximum Tem. (°C):2	27-30°C	There are chances of moderate to light rainfall during the					
Minimum Tem. (°C):1	.5-19°C	next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):94-	100%	the next 5 days may range for 22-23°C and 12-14°C.					
Minimum RH (%):77-	91%	Maximum relative humidity is expected in the range of 90- 98% and minimum may from 58-92%. Wind direction would be southerly to southeasterly to northeasterly and southerly with the wind speed of 2-6 km per hour. Mainly					
Wind Direction: Sout	heasterly						
Cloud cover: Mainly of	cloudy						
Wind speed: 4.12 km	/hr						
-		5			J		
Rainfall: 35.6 mm		cloudy sky will prevail during the next five days.					
		Weekl	y cumulative i	r ainfall: 8 3.0 1	mm		
NDVI for Mizoram		North East Region 29	Mildly drv	condition oc	curs in all		
		~~ =-	districts of				
		-					
		French S	i i				
		20					
		NY.	:1				
		Agriculture vigent is residentie user some of the	100 B				
		NUN IN					
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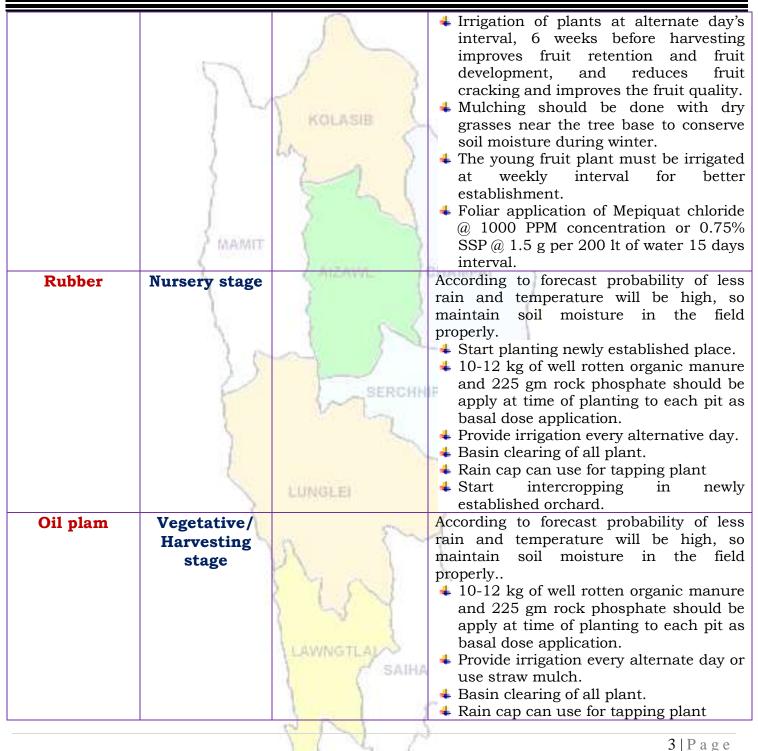


Main Crant	Sterre .	Conference 1	A guien line 1 / TTe git and the set in a t
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIE	rain and temperature will be high, so
AND ACID	stage	0	maintain soil moisture in the field properly.
LIME)	LA J	By seeds: Seed should be sown in the
STAR FRUIT	(1 1	nursery immediately after extraction in
STAR FRUIT	5		to a depth 1.5 to 2 cm extraction at
	1		10x5 cm distance. Seedlings are planted
	J.		in secondary bed or polythene bags at 4-
PLUM AND	MAMIT		6 leaf stages. Water must b provide
PEACH	C Wesselles	And the second second second	every alternate days.
	1	A AIZAWAL	Potting mixture of soil, sand and FYM or compact aboutd he in proper ratio
			compost should be in proper ratio.
		()	Application of split dose of fertilizer 600:
	S	1 65	200:100 (g/pt). Only certified seed should be used.
	1	V SM	 Stagnation of water in beds should be
	105		avoided.
	0	SERCH	↓ In the citrus belt, trees can be planted
		(~)	at any time; however, pre-monsoon is
	2	100 Carrier	the best time for transplant or gap
	3	1	filling.
	16		4 Standard-size trees should be spaced 12
		National-Col	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3		distance depends on the variety. The
		500	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	Citrus Canker - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	-		# TC 1 . (
COFFEE	Blooming	SAIH/	
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		00	Arabica and "Pink Flower" in Robusta.
		VI V I	2 P a g e



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		🔼 🔅 Start intercropping in newly
		established orchard.
		Fruits are harvested when they attain
		full size, develop attractive colour with
	2.1	optimum sugar and acid blend.
Passion Fruit	Trongalanting	↓ High yielding mother vine with good
Fassion Fruit	Transplanting	
	stage	quality fruits and free of virus diseases
)	should be selected to provide cuttings.
	(4 A cutting should contain at least 3
	1	buds and must be planted in sand
	1	beds.
		4 10-12 kg of well rotten organic manure
	S anno	and 225 gm rock phosphate should be
	1 MAMIT	apply at time of planting to each pit as
	S	basal dose application.
		Provide irrigation every alternate day or
	1	use straw mulch.
	5	Grafting:
	1	The root stock of yellow Passion fruit is
	1	planted in polythene sleeves and the
	105	section from Rahangala hybrid is
	12	grafted using wedge or enpressed
	1	method of grafting.
		 Provide irrigation every alternate day or
	5	use straw mulch.
CEREALS AND H	PULSE CROPS	
Maize	Vegetative	According to forecast probability of less
(Jhum)	stage	rain and temperature will be high, so
(0100010)	Jugo	maintain soil moisture in the field
	1	properly.
	1	Earthing up soil for better growth and
		stability in root zone.
		Use split dose of any nitrogenous
		fertilizer for better growth.
Maize	Sowing stage	Two to three plough are necessary to
	- o mine o cue o	get the soil well pulverized and weed
		E
		Level is heir a placed in furnerus
		Sale Seed is being placed in furrows.
		(@4 g/kg seed.
		Use optimum seed rate (20-25 kg/ha)
		4 P a g e



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	2	KOLASIB	 for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Kharif Rice	Nursery stage	AIZAWL	 Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWINGTLAL	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
		6 1 1	5 P a g e
		-	5 1 4 8 0



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Cucurbitaceo	Fruiting stage	12	4	According to forecast probability of
us crop	Fluiting stage			less rain and temperature will be high,
usciop				so maintain soil moisture in the field
				properly.
	2.1	1 5	4	Provide split doses of urea (70g/pt) at
		5	-	the time of full blooming.
		KOLASIB	-	Apply irrigation every alternate day or
	(0	~	use straw mulch for conserve soil
)	6A)		moisture.
	S	1 1	4	In large gardens apply carbaryl 0.2 per
	8	Contraction of the second	-	cent or malathion 0.15 per cent
	E.			suspension containing sugar or
				jeggery at 10 g/l at fortnightly
	? MAMIT			intervals at flowering and fruit
	2 massions		-	initiation against fruit fly and
	1	ARZAWL	CHA	pumpkin beetle.
Chilli	Vegetative to	1	4	According to forecast probability of
	flowering	5.		less rain and temperature will be high,
	stage	1 1		so maintain soil moisture in the field
	stage	A S N		properly.
	10.5		4	Earthing up soil for better growth and
	0	SEROUN		stability in root zone.
		SERUNH	4	Apply irrigation every alternate day or
	5			use straw mulch for conserve soil
	1			moisture.
			4	Don't use split dose of any nitrogenous
				fertilizer for better growth.
		LUNGLEI	+	If possible use straw mulch/ grass
	3		5	mulch in row to prevent moisture loss
	19		-	and better growth of plant.
		Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
			0	or malathion 0.15 per cent suspension
		M ALL	- 3	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
			1	initiation.
Cowpea	Vegetative	1 - 1	4	According to forecast probability of less
peu	stage			rain and temperature will be high, so
	stage	LAWNGTLAL		maintain soil moisture in the field
		- SAIHA		properly.
				Earthing up soil for better growth and
			1	stability in root zone.
		2812	4	Don't use split dose of any nitrogenous
L	•	VIV A	1	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Colocasia Sowing stage Colocasia Sowing stage Planting is done well prepared land on pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm betwer and within rows in the pits. ANIMAL HUSBENDARY Pig All stages All stages Pig All stages Animals must keep in alleviated area and dry bedding (straw) to be provided to young animals. 1ª 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, special available in State Veterinary Departs) 1. Culling of positive pigs or piglets. Cattle All age group All age group In present weather conditions, special care should be taken against attack on magots in the wounds of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in				
stage rain and temperature will be high, sc rain and temperature will be high, sc maintain soil moisture in the field colocasia Sowing stage Colocasia Sowing stage MIMAL HUSBENDARY Planting is done well prepared land on pits filled up with FYM (12-15) t/ha Pig All stages Pig All stages Pig All stages Procine Animals must keep in dry place on kept in alleviated area and dry bedding (straw) to be provided to young animals. Procine Provide adequate potable water. In present weather conditions vaccination under vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets. Cattle All age group Porcine Application of turpentine oil in the wounds of animals Application of turpentine oil in the wounds followed by application of turpentine oil in the wounds followed by application of turpentine oil in the wounds followed by application of turpentine oil in the wounds followed by application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of turpentine oil in the wounds followed by application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of turpentine oil	01-20	Vogototing		
Colocasia Sowing stage Frilizer for better growth. Colocasia Sowing stage Planting is done well prepared land on push FIM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg. ANIMAL HUSBENDARY Pig All stages Animals must keep in dry place on kept in alleviated area and dry bedding (straw) to be provided to young animals. I at injection at 12 months of age and 2nd injection at 12 months of age and 2nd injection at 12 months of age followed by annual vaccination under wet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 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 animals Application of anitibiotics for five days is advised.	OKra	-	KOLASIB	 rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone.
ANIMAL HUSBENDARY Pig All stages All stages Pig All stages Image: State of the stage of the st	Colocasia	Sowing stage	~)	fertilizer for better growth.
ANIMAL HUSBENDARY Pig All stages Image: State of the state o	Colocasia		AIZAWL	 pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and
Cattle All age group Cattle All age group Porcine Reproductive Respiratory Syndrome (PRRS). Porcine Reproductive Respiratory Syndrome (PRRS). Cattle All age group	ANIMAL HUSBE	NDARY		
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 antibiotics for five days is advised. Herricht and the second structure of the second struc	Pig	All stages	LUNGLEI Porcine Reproductive	 Ist injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
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 antibiotics for five days is advised. Provide UMB/Molases if possible in the)
710	Cattle	All age group	LAWNGTLAN	 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
			C N N	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

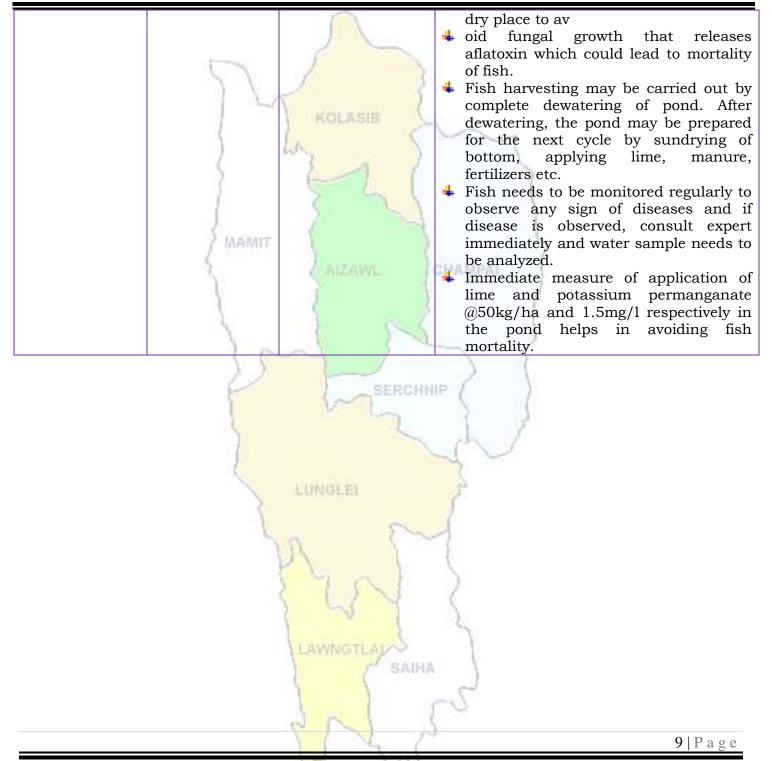


			feed
			4 Provide 10-30 ml of vitamin B-Complex
			in feed
			4 1 st injection at 6-8 weeks of age, 2nd
	2.1	1 5	injection after 6 months of 1 st injection
		5	followed by annual vaccination under
		KOLASIE	vet supervision.
	1	1	
	0	La N	 Separate sick animals.
	6	1 1 1	4 The animal should be washed with
	2		lukewarm water added with little
	1	2 5	potash (KMnO4) or neem leaves.
	(i)	2. 54	4 Long hair near the
	12U		udder/stomach/back legs should be
	1 MAMIT		teamed short.
Poultry	All age group	A STATE	+ Provide preventive dose of anti-coccidial
· · · ·	001	(AIZAWL)	drugs to poultry.
		()	Proper ventilation of shed.
		5	+ Provide glucose/electral along with
		1 56	vitamin supplements (@5- 6ml/100
	- N		birds) with adequate potable water
			 Avoid overcrowding.
	11		e e
	8	SERCHN	Provide broad-spectrum antihelminthic
			drugs under vet supervision and
	2		recommended doses.
			+ Vaccination as per the schedule with
			proper consultation with vet.
			> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3	and a second	days: Intermediate plus/IBD
		100	vaccine, 35 days: F/Lasota, 6-7
		n 7~	weeks: Chicken embryo adopted
		31	fowl pox vaccine and 56-70 days:
		the set 1	RD R-2B strain.
		101	4 Remove wet litter.
FISHERY		1 60 4	S
	Monitoring of		4 Care should be taken that fish are fed
		LINNINGTI ALCO	with feed that are free from fungus. If
	fish in pond	LAWNGTLAN	the fungal growth is observed in fish
		SAIHA	feed, the feed needs to be sundried for
			few days prior to feeding.
		e n l	4 Fish feed should be stored in cool and
		1 V C	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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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: Champhai

Bulletin No: - 805/2018/ Bulletin/Mizo	Bulletin	No: -	805	/2018/	Bulletin	Mizo
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Period: 07 July - 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018		09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	14	10	15	28	16	
Max Temp (°C)	22	22	22	23	23	
Min Temp (°C)	13	14	14	13	12	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	98	90	90	90	90	
Min RH (%)	92	80	66	58	63	
Wind Speed (KmpH)	6	3	2	2	2	
*Wind Direction	S	S	S-E	N-E	S	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent of i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib m) m Serchhij	nthesis) - 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary of three day	s	07 th July – 11 th July, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):27-30°C Minimum Tem. (°C):15-19°C Maximum RH (%):94-100% Minimum RH (%):77-91% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.12 km/hr		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 22-23°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 90-98%leh a hniam lai berin 58-92% ni tur a rin niin. Thli hi darkar khatah 2-6 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 35.6 mm		Weekly cumulative rainfall: 83.0mm				
NDVI for Mizoram		North East Region	districts of	condition oc Mizoram.	ccurs in all	
		112	19		1 Page	



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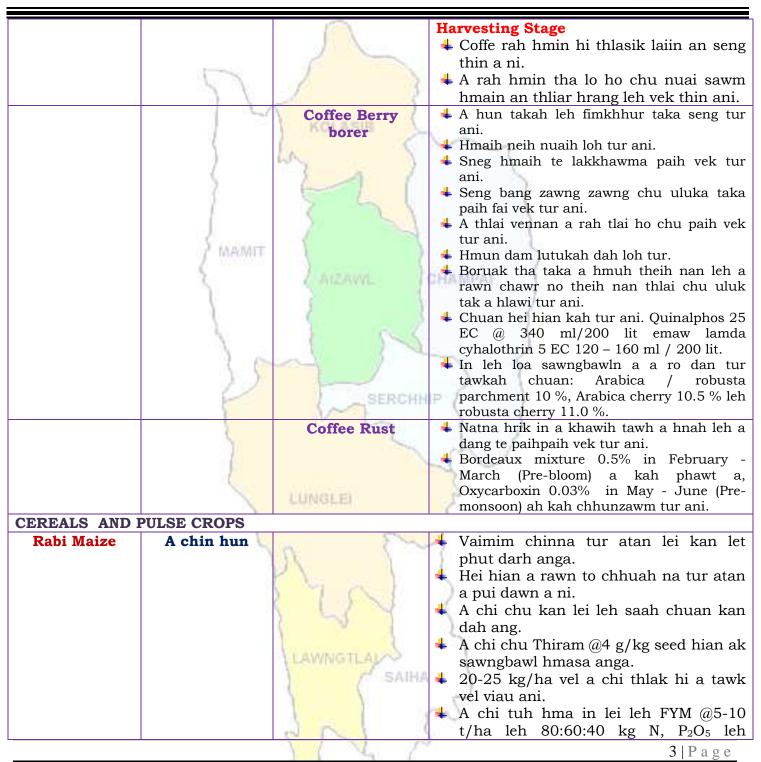


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah dahkhawm tur ani.
LIME)	La l	👍 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		🖊 Leia tha mamawh tawk a hmuh
	1	2 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
	(inservit t	5	taka pek hian a rah tla tur chelh nan
DI LIM AND	30	A ATZAWAL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5.0	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
	1	FILICITY ROAM	rah tan tirin chawlhkar hnih chhung chu
	1	Nº Long	heng te hian enkawl tur ani: carbaryl 0.2
	S		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	and water and the	Nursery stage
		0.00	+ Thlai chi thlak hma in Azospirillum leh
	5	n (~	Phosphobacterium a enkawl tur ani.
	j j		A chi hi December – January ah hmun
		1 mg and	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	I	N N I	
		VIV A	2 P a g e
			211 480



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	2	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL SERCHN	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
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
		612 4	4 P a g e



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		\cap	awm thin a , hei hi natna tlanglawn ber ani.
			↓ Thlai hna lam chi leh zikhlum lam
	2.1	1 1	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	 Thlai bul vawn hnawn nana thlai bula
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	1		tui liter 1 zelah pawlh a kah hi a tha
	30	ARZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	5	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 55	Hneh taka 1% Bordeaux chawhpawlh
) 6		emaw 2 g captan emaw 3 copper
	101		oxychloride a tui liter 1 hi 10-15 DAS a
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M-	4 Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	J.		na turin a kung bulah lei vur chhoh zel
		LINGLER)	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 AL	➡ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		20 1	rawn awm thina, hei hi natna
		Low many and the	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			🔨 pawlha kah tur ani.
		P 1 3	
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	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.
		6 N 3	6 P a g e



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



 Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/1 dilitui a hman hiai sangha natna avang a thi tur lal atangin a veng thei. 				
Preventive measures 0-3 rd week 4 Ranikhet Disease- an pian atanga m 1-6 ah FI vacine pek tur ani a, chuaa a puitingh chuan R ₀ B vaccine pek tu ani. a puitingh chuan R ₀ B vaccine pek tu ani. 4 th weeks 4 Coccidiosis- Amprolium o coccidiostat 4-5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 4.5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 4.5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 4.5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 5 Sangha enkawl) 4 Sangha te hi chaw a hmuar kai lu chauh pek thin tur ani. Sangha chaw li a hmuar lohna turi hin, affatoxin avang a sangha thi lai atongin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih tur ani. 5 Sangha te natana lak atangin an him en thi nian a kumleh a sangha khawinan a di buatsaih tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natan avang a thi tur lai atangin a veng thei.		5	\sum	 tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu
measures 1-6 ah F1 vaccine pek tur ani a, chuat a puttingh chuan R2B vaccine pek tu ani. 4th weeks Ecocidiosis- coccidiositat 4-5th Weeks Coccidiositat FISHERY 4-5th Weeks Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a phoro phawt tur ani. Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei.		Preventive	0-3 rd week	
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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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8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Bulletin No: - 805/2018/ Bulletin/English

Period: 07 July – 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018
Rainfall (mm)	4	11	20	41	14
Max Temp (°C)	31	31	32	31	31
Min Temp (°C)	17	17	18	18	17
— • •	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	Mainly cloudy
Cloud Coverage			•	•	
Max RH (%)	85	99	95	95	85
Min RH (%)	64	94	73	69	69
Wind Speed (KmpH)	6	3	2	2	2
*Wind Direction	S	S-E	E	E	S-E
	· · · · · · · · · · · · · · · · · · ·	Casterly- N-E, Eas			
		esterly- <mark>S-W</mark> , We			
		1, 2018 (Percent o			
Aizawl- 383.68mm	Champhai-		aiha- 109.52 mm		352.38mm
(341.8mm)		50.30mm)	(87.2mm	•	(380.9mm)
Lawngtlai-321.51mm (285.5mm)	Lunglei-34	14.00mm N 36.21mm)	lamit-449.48mm 442.80mm)	-	-411.72mm (259.8mm)
			`	n 07 th July, 201	· · · · · · · · · · · · · · · · · · ·
Weather summary	-	weather lored		· · · · · · · · · · · · · · · · · · ·	18 10 11
three day			July, 2		
Maximum Tem. (°C):2		There are chanc			
Minimum Tem. (°C):2		luring the next	5 days. The	e maximum ar	nd minimum
Maximum RH (%):90-		emperatures for	the next 5 d	ays may range	for 31-32°C
Minimum RH (%):78-3	86%	and 17-18°C. M			
Wind Direction: Sout	heasterly _f	he range of 85		J	-
Cloud cover: Mainly o	cloudy	Wind direction		2	
Wind speed: 5.52 km	/ 11 -	easterly and sou		-	-
		•	•	-	
Rainfall: 54.9 mm	_	per hour. Mainl	y cloudy sky v	will prevail dur	ing the next
	1	ive days.			
		Weekl	y cumulative 1	r ainfall: 90.0 1	mm
NDVI for Mizoram		North East Region 29 Au	Mildly dry	condition oc	curs in all
			districts of	Mizoram.	
		5000	ter : mi. :		
			-		
		-A =	Mary B		
		plusition signal is mailerate over some of the parts gins.	North		
			13		1 D o g c
		-			1 P a g e



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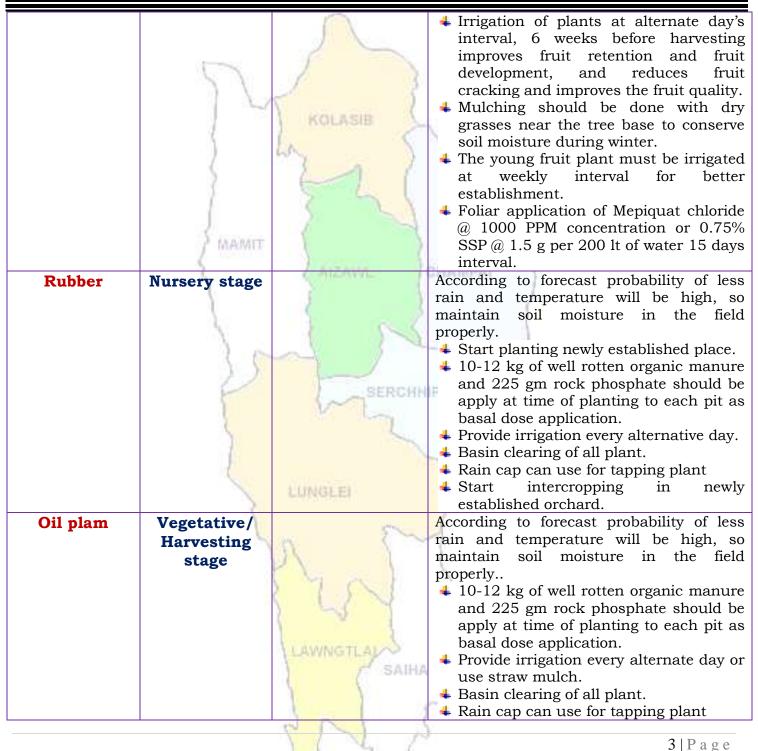


Main O I	Main Cron / Staga Cultural Agricultural / Harticultural / animal					
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	5	According to forecast probability of less	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



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	A	 Start intercropping in newly established orchard.
57	\int	Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
Transplanting stage	KOLASIB	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 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. Provide irrigation every alternate day or use straw mulch. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting. Provide irrigation every alternate day or use straw mulch.
PULSE CROPS		
Vegetative stage		 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Sowing stage	LAWNGTLAL	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha)
	stage MAMIT PULSE CROPS Vegetative stage	Sowing stage



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	2	KOLASIB	 for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Kharif Rice	Nursery stage	AIZAWL	 Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
		612 2	5 P a g e
			J 1 4 8 C



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

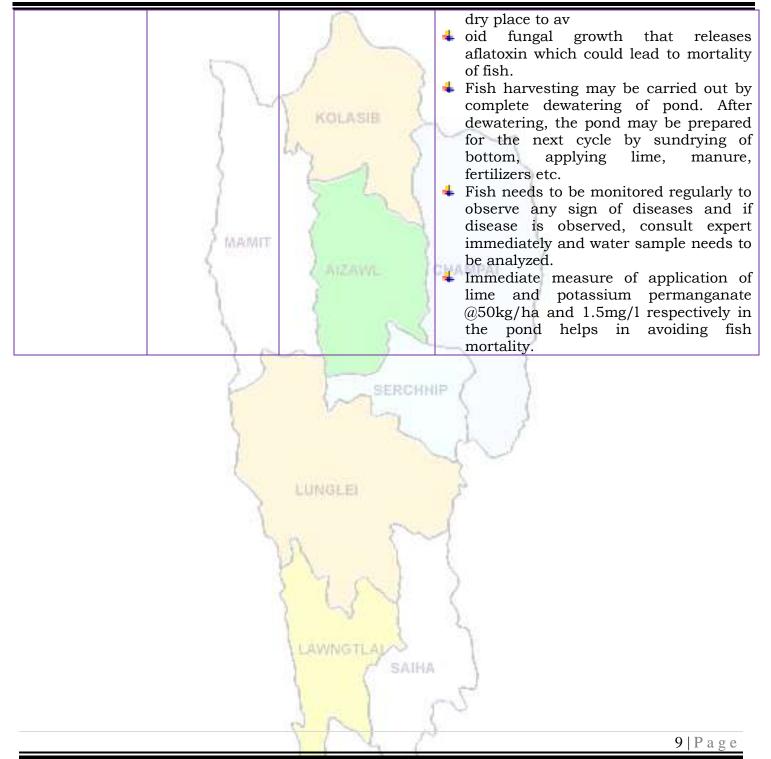


			feed
			4 Provide 10-30 ml of vitamin B-Complex
			in feed
		1	4 1 st injection at 6-8 weeks of age, 2nd
	2.1	2 2	injection after 6 months of 1 st injection
		2	followed by annual vaccination under
		KOLASIB	vet supervision.
	()	0.00	 Separate sick animals.
)	way is a	+ The animal should be washed with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



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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

Bulletin	No: -	805/	2018/	Bulletin/	Mizo
					0

Period: 07 July - 11 July, 2018

Date of issue: 06th July, 2018

Parameters 07.07.2018 08.07.2018 09.07.2018 10.07.2018 11.07.2018 Rainfall (mm) 4 11 20 41 14 Max Temp (°C) 31 31 32 31 31 Min Temp (°C) 17 17 18 18 17 Cloud Coverage Mainly cloudy Mainly cloudy Partially clear Partially clear Mainly cloudy Max RH (%) 64 94 73 69 69 Wind Speed (KmpH) 6 3 2 2 2 Wind Direction S S-E E E S-E South-Westerly- Noth-westerly- NW. Status of Profensoon-May 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawi-383.68mm Champhai-239.49mm Sata-109.52 mm Kolasib-352.38mm (241.8mm) (285.5mm) Champhai-239.49mm Sata-109.52 mm Kolasib-352.38mm Weather summary of the past three days 07th July - 11th July, 2018 chhunga sik leh sa 17.2mm Maximum Hem. (%):78-86% Minimum RH (%):78-86% Tun ni			P	4		
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Wind Speed (KmpH) 6 3 2 2 2 *Wind Direction S S-E E E S-E Northerly- N, North-Easterly- N-E, Easterly- S.S, South-Westerly- S.W, Westerly- W, North-westerly- N-W. Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawi- 383.68mm Champhai- 239.49mm Saita- 109.52 mm Kolasib- 352.38mm (341.8mm) (250.30mm) (87.2mm) (380.9mm) (285.5mm) (186.21mm) (259.30mm) (259.8mm) Weather summary of the past three days O7 th July - 11 th July, 2018 chhunga sik leh sa dinhmun tur tlangpui Maximum Tem. (°C):24-28°C Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A vawh lai ber in 17-18°C ni tura beisei a ni. RH san lai berin 85-99% leh a hniam lai berin 64-73% ni tur a rin nii. Thli hi darkar khatah 2-6 km vela chakin chhaklam avi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Rainfall: 54.9 mm Weekly cumulative rainfall: 90.0mm NDVI for Mizoram Image from from from secure in and districts of Mizoram.	Max RH (%)		99		95	
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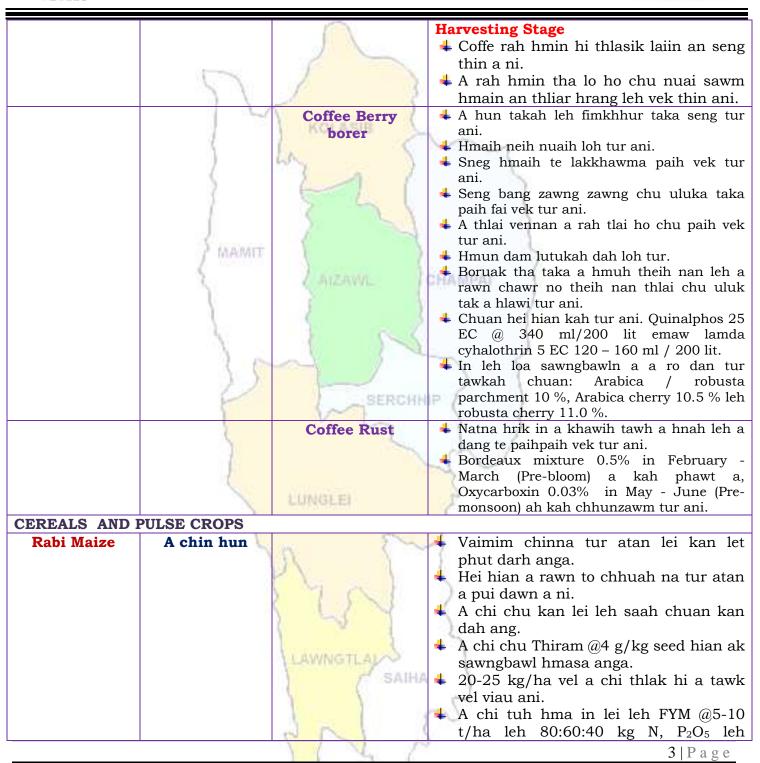


Animal (Fisheries practices/ Pest/ Diseases husbandry advisories FRUITS CROPS A kui atanga a seng hun A kui atanga a seng hun + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani. BANANA A kui atanga a seng hun + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani. BANANA - Thla in aupang deuah chuan chawh kar tin a tui pek thin tur ani. - Thlai naupang deuah chuan chawh kar tin a tui pek thin tur ani. STAR FRUIT - A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan heh a rah than that na te leh a rah keh tur lakah t a veng thei ani. PLUM AND PEACH - Gummosis, citrus greening and Dieback - Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. PLANTATION CROP - Fruit fly RCM - Huan zau taka huan a par tan tirh leh a rah tan tirin chawlikak nain Azospirillum leh Phosphobacterium a enkaul tur ani. PLANTATION CROP - All stages - Thlai chi hilak hma in Azospirillum leh Phosphobacterium a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ati. • Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur ati. - Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur atii.						
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ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			LAWNGTLAU	-		
Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			- SAIHA	- X		
bag ah an sawn chhuak leh thin ani.			1 1			
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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	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	1 4 Y	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAL	 hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



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		\cap	awm thin a , hei hi natna tlanglawn ber ani.
			 Thlai hna lam chi leh zikhlum lam
	2.1	1 2	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	 Thlai bul vawn hnawn nana thlai bula
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMMET		to loh nan Pendimethalin @ 3.5ml hi
	1		tui liter 1 zelah pawlh a kah hi a tha
	30	ATZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 1	Hneh taka 1% Bordeaux chawhpawlh
) 6	~ \ \ ~	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	4 Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
	1	LINGLER PL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	8	1000	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
		20 1	rawn awm thina, hei hi natna
		Low marine and	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
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			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.
		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 tu thianghlim an mamawh tawk an hmu tur ani a.
		4 N 2	6 P a g e

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	December		 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. Panilhat Diagaga an pian atanga ni
	Preventive measures	0-3 rd week	 Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	L	4 th weeks	 Coccidiosis- Amprolium or coccidiostat
	/ MACINIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	ANZAWAL I	CHAMPAI }
	Monitoring (Sangha enkawl)		 tur ani a, initiar atang a tur io inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
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8 | Page



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Guwahati)



District: Lawngtlai

Bulletin No: - 805/2018/ Bulletin/English

Period: 07 July – 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018		
Rainfall (mm)	4	10	9	41	10		
Max Temp (°C)	30	30	32	31	31		
Min Temp (°C)	14	12	14	14	13		
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	91	98	89	92	90		
Min RH (%)	82	78	72	63	64		
Wind Speed (KmpH)	4	4	3	2	3		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
		Easterly- N-E, Easterly-					
		Westerly- <mark>S-W</mark> , We					
		31, 2018 (Percent					
Aizawl- 383.68mm			aiha- 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm	-	p-411.72mm		
(285.5mm)		186.21mm)	(442.80mn		(259.8mm)		
Weather summary		Weather fore		n 07 th July, 201	18 To 11 th		
three day		July, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to light and heavy rainfall					
Minimum Tem. (°C):1	7-19ºC	during the next 5 days. The maximum and minimum					
Maximum RH (%):96-	98%	temperatures for the next 5 days may range for 30-32°C					
Minimum RH (%):79-	91%	and 12-14°C. Maximum relative humidity is expected in the range of 89-98% and minimum may from 63-82%. Wind direction would be southeasterly with the wind speed					
Wind Direction: Sout	heasterly						
Cloud cover: Mainly of	cloudy						
Wind speed: 4.64 km	· · · · · · · · · · · · · · · · · · ·						
-	·	of 2-4 km per h	•	oudy sky will p	revail during		
Rainfall: 27.3 mm		the next five day	s.				
		Weekl	y cumulative i	rainfall: 74.0 1	mm		
NDVI for Mizoram		North East Region 25	Mildly dry	condition oc	curs in all		
		~	districts of				
		23	uistricts of				
		CT IS					
		222					
		C C	1				
		Agriculture vigour is readenate over some of the region.	parts N				
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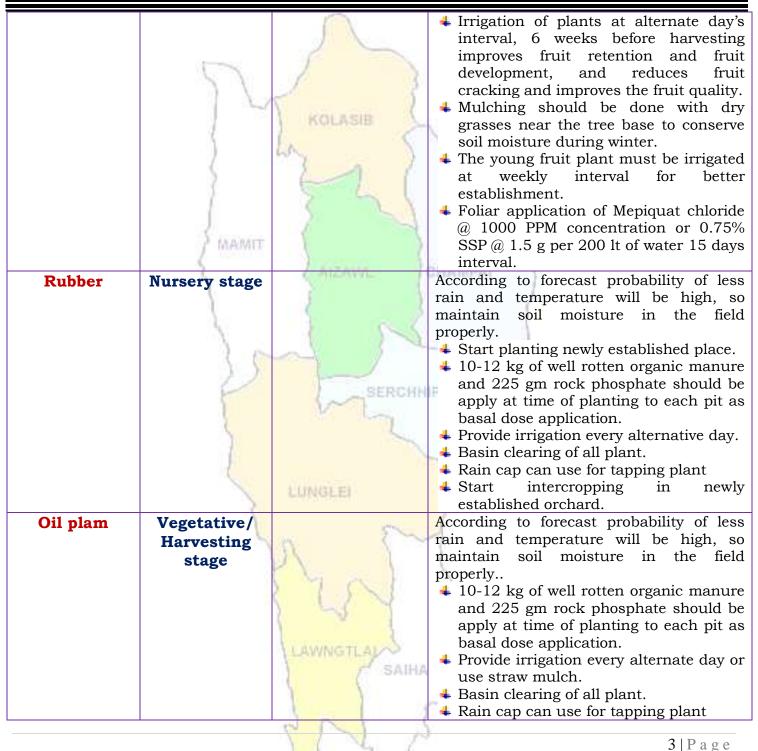


Main Crond	Store	Culturel	Agniculture 1 / Herticulture 1 / egime 1
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of less
MANDARIN	gap filling	KOLASIE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



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		💫 🔅 Start intercropping in newly
		established orchard.
		Fruits are harvested when they attain
		full size, develop attractive colour with
	2.1	optimum sugar and acid blend.
Passion Fruit	Transplanting	+ High yielding mother vine with good
rassion riuit		quality fruits and free of virus diseases
	stage	
)	should be selected to provide cuttings.
		A cutting should contain at least 3
	1	buds and must be planted in sand
	1	beds.
		4 10-12 kg of well rotten organic manure
	A second	and 225 gm rock phosphate should be
	1 MAMIT	apply at time of planting to each pit as
	S.	basal dose application.
		📕 🗸 Provide irrigation every alternate day or
	1	use straw mulch.
	5.	Grafting:
	1	The root stock of yellow Passion fruit is
	1	planted in polythene sleeves and the
	10	section from Rahangala hybrid is
	12	grafted using wedge or eppressh
		method of grafting.
	1	 Provide irrigation every alternate day or
	5	use straw mulch.
CEREALS AND H	PULSE CROPS	
Maize	Vegetative	According to forecast probability of less
(Jhum)	stage	rain and temperature will be high, so
(ontaine)	Stuge	maintain soil moisture in the field
	1	properly.
	1	Earthing up soil for better growth and
		stability in root zone.
		Use split dose of any nitrogenous
		fertilizer for better growth.
Maize	Sowing stage	4 Two to three plough are necessary to
		get the soil well pulverized and weed
		Concerning and Concerning
		Land is being pleased in furnering
		SAIR Seed is being placed in lurrows.
		(a) 4 g/kg seed.
		Use optimum seed rate (20-25 kg/ha)



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	7	KOLASIB	 for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Provide irrigation or use straw mulch for better germination.
Kharif Rice	Nursery stage	AIZAWL	 Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery.
Jhum Rice	Vegetative stage	SERCHN	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
		612 2	5 P a g e
			J 1 4 2 C



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Cucurbitaceo	Fruiting stage	0	4 According to forecast probability of
us crop	5 5		less rain and temperature will be high,
	1		so maintain soil moisture in the field
	50	1	properly.
		2 8	Provide split doses of urea (70g/pt) at
		KOLASIE	the time of full blooming.
	1	Controla 2	4 Apply irrigation every alternate day or
)	LA N	use straw mulch for conserve soil moisture.
	6	1 1	
	1		In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	E.	5 21	suspension containing sugar or
			jeggery at 10 g/l at fortnightly
	MAMIT	1	intervals at flowering and fruit
	2 march 1	100000	initiation against fruit fly and
	5	(AIZAWL)	pumpkin beetle.
Chilli	Vegetative to	5	4 According to forecast probability of
	flowering	Sec. and	less rain and temperature will be high,
	stage	1 55	so maintain soil moisture in the field
		~ 1 ~	properly.
))		4 Earthing up soil for better growth and
	-	SERCHN	stability in root zone.
	1	V~1_	Apply irrigation every alternate day or use straw mulch for conserve soil
	2		moisture.
			Don't use split dose of any nitrogenous
	1		fertilizer for better growth.
		LUNGLEI	↓ If possible use straw mulch/ grass
	2	Sector Sector 1	mulch in row to prevent moisture loss
		1000	and better growth of plant.
	5	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
		1 7 25-1	fortnightly intervals at flowering and fruit
			initiation.
Cowpea	Vegetative		According to forecast probability of less
	stage	And the second second	rain and temperature will be high, so
		LAWNGTLAN	maintain soil moisture in the field
		SAIHA	properly.
		1 1	4 Earthing up soil for better growth and
		1 5 1	stability in root zone.
L		P P A	Don't use split dose of any nitrogenous
		FI L	6 P a g e



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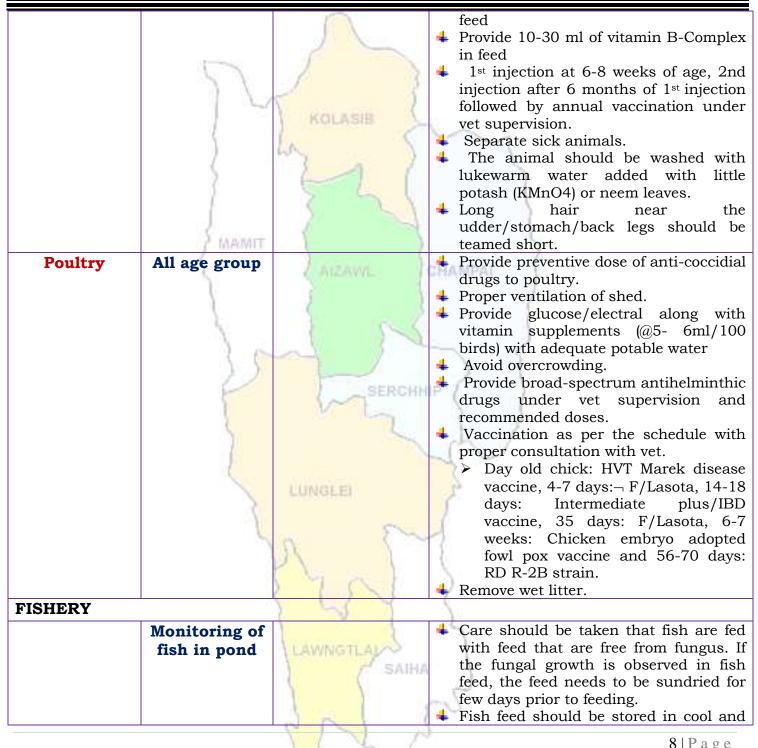


01	Vereteting	0	fertilizer for better growth.
Okra	Vegetative stage	KOLASIB	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous
Colocasia	Sowing stage	FL(fertilizer for better growth. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm
		AIZAWL	 between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			4 Animals must keep in dry place or
Pig	All stages		 Annuals must keep in dry place of kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs of piglets.
Cattle	All age group	LAWNGTLAL	 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
		8 N A	710
			7 P a g e



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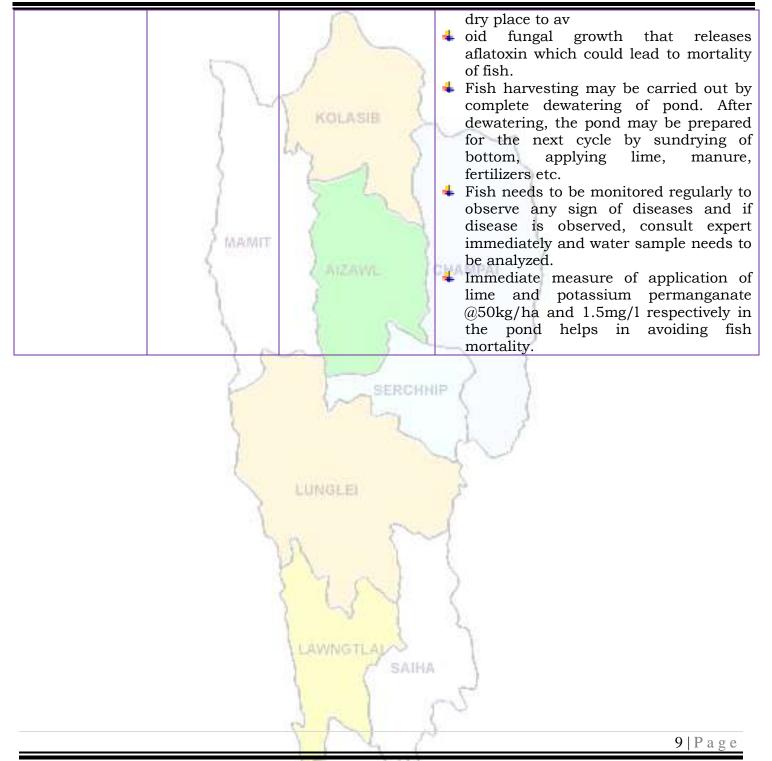






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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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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: Lawngtlai

Bulletin	No: -	805,	/2018/	Bulletin/	Mizo
					10

Period: 07 July - 11 July, 2018

Date of issue: 06th July, 2018

		1 PC	1			
Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	4	10	9	41	10	
Max Temp (°C)	30	30	32	31	31	
Min Temp (°C)	14	12	14	14	13	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	91	98	89	92	90	
Min RH (%)	82	78	72	63	64	
Wind Speed (KmpH)	4	4	3	2	3	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , W	esterly-W, North	-westerly- N-W.		
Status of Pre Mo	onsoon- May 1-	31, 2018 (Percent	of deviation from	n normal in parer	nthesis)	
Aizawl- 383.68mm	Champha	i- 239.49mm	Saiha- 109.52 m	m Kolasib-	352.38mm	
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)	
Lawngtlai-321.51mm		344.00mm	Mamit-449.48m	-	p-411.72mm	
(285.5mm)		(186.21mm)	(442.80m		(259.8mm)	
Weather summary of	of the past	07th July – 1	11th July, 20 3	18 chhunga :	sik leh sa	
three day	s	dinhmun tur tlangpui				
Maximum Tem. (°C):2	25-270C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
Minimum Tem. (°C):1						
Maximum RH (%):96-		tura beisei a ni. Khua a lum lai berin 30-32ºC a ni ang a. A				
Minimum RH (%):79-9	010/	vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai				
		berin of 89-98% leh a hniam lai berin 63-82% ni tur a rin				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam				
Cloud cover: Mainly o		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
Wind speed: 4.64 km	/ nr	hian khawthiang tak hmuh beisei a ni.				
		8				
Rainfall: 27.3 mm		Weekly cumulative rainfall: 74.0mm				
		week	ig cumulutive	rungun 14.01		
		North East Region	Madanatalı		/ 11	
NDVI for Mizoram		_	Moderately	wet mildly dr	y/mildly wet	
		AB 1	conditions			
		- Port	1-			
			[
		OUT .	}			
		•				
		ngnumura oggur is modstate over some of the pr region	es 100			
		6 1	2			
		114	6		1 P a g e	

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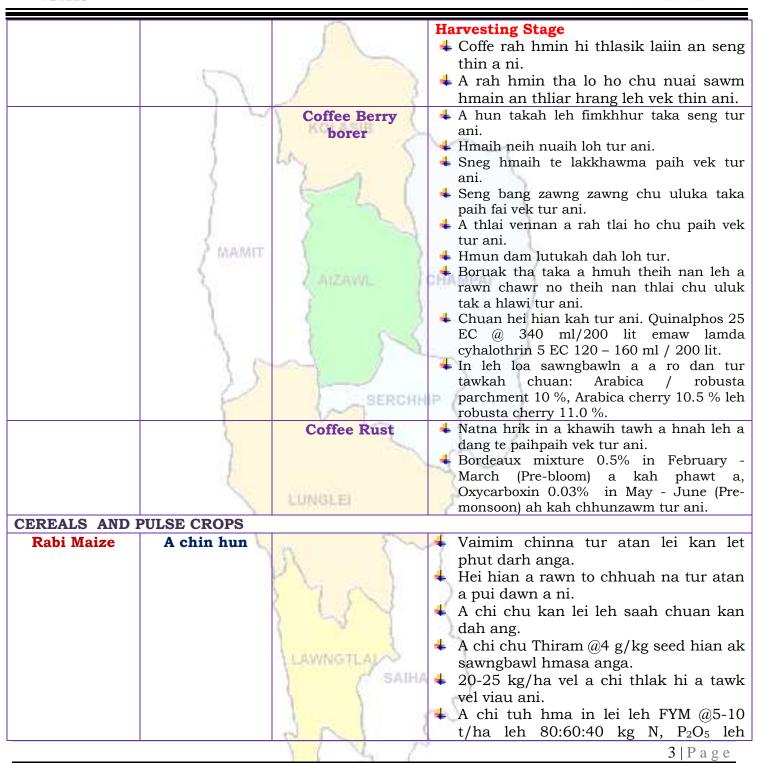


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul		
AND ACID	8	1 moundaire 2	velah dahkhawm tur ani.		
LIME)	La J	4 Thlai naupang deuah chuan chawlh		
	(1 1	kar tin a tui pek thin tur ani.		
BANANA	1		4 Leia tha mamawh tawk a hmuh		
	1	2 2 1	theihna turin a hmunhma a hnim awm		
			te thlawhfai thin tur ani.		
STAR FRUIT	AMAMIT		♣ A seng hma kar 6 chhung chu tui tha		
	1 meaning	5	taka pek hian a rah tla tur chelh nan		
PLUM AND	3	Z AIZAWAL I	leh a rah than that nan te leh a rah		
			keh tur lakah t a veng thei ani.		
PEACH	l				
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna		
		canker, citrus	laka vennan Bordeaux past hi thing zar leh		
		greening and Dieback	a trangah te hnawih tur ani.		
	12				
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu		
	1	No Long	heng te hian enkawl tur ani: carbaryl 0.2		
	5		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 g/l.		
PLANTATION CR					
COFFEE	All stages	CONTRACTOR IN	Nursery stage		
	1	1994 C	+ Thlai chi thlak hma in Azospirillum 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		
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.		
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh		
		SAIHA	nan niin a chhun loh nan zar hliah tur		
		((Shink	ani.		
			4 Ni 45 hnu velah a tiak thin a,chu chu		
bag ah an sawn chhuak leh thin ani.					
			2 P a g e		



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	2	\sum	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE 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	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		V V V	4 P a g e



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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.
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	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 tu 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 tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga n
	measures		1-6 ah F1 vaccine pek tur ani a, chuai
		~~~ )	a puitlingh chuan R ₂ B vaccine pek tu
	>		ani.
	1	5 6	B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium o
	Swamp		coccidiostat
	[ MADALI	4-5 th Weeks	+ Calcium tonic fortified with $B_{12}$
FISHERY	1	AIZAWIL	CHAMPAI
	Monitoring (Sangha enkawl)	LUNGLEI	<ul> <li>Sangha te hi chaw a hmuar kai le chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
		S 1 1	710000
			7   P a g e



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

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



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

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LAWNGTLA SAIHA

8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Lunglei

Bulletin No: - 805/2018/ Bulletin/English

Period: 07 July - 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018
Rainfall (mm)	4	10	9	41	10
Max Temp (°C)	30	30	32	31	31
Min Temp (°C)	14	12	14	14	13
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	91	98	89	92	90
Min RH (%)	93	80	67	63	59
Wind Speed (KmpH)	5	3	2	2	2
*Wind Direction	S-E	S-E	E	E	Ē
	-	Easterly- N-E, East		_	
		Vesterly- <mark>S-W</mark> , We			
		31, 2018 (Percent			
Aizawl- 383.68mm	Champhai-		aiha- 109.52 mm		352.38mm
(341.8mm)	(2	250.30mm)	(87.2mm	.)	(380.9mm)
Lawngtlai-321.51mm	Lunglei-3	44.00mm N	lamit-449.48mm	Serchhij	-411.72mm
(285.5mm)	(1	86.21mm)	(442.80mn	1)	(259.8mm)
Weather summary	of the past	Weather fore	cast valid fron	n 07 th July, 201	l8 To 11 th
three day	s		July, 2	018.	
Maximum Tem. (°C):2	22-27ºC	There are chanc	es of moderate	e to light and h	neavy rainfall
Minimum Tem. (°C):1		during the next		0	2
Maximum RH (%):93-		temperatures for	•		
Minimum RH (%):79-	000/	and $12-14^{\circ}C$ . M		<i>v v v</i>	
Wind Direction: Sout	hootorla			2	-
Cloud cover: Mainly	aloudy	the range of 89		2	
Wind speed: 4.16 km	/hr	Wind direction w		•	•
		wind speed of 2	-	•	udy sky will
Rainfall: 41.9 mm		prevail during th	e next five day	s.	
		Weekl	y cumulative i	rainfall: 74.0 1	mm
NDVI for Mizoram		North East Region 29	Mildly drv	condition oc	curs in all
		~~ =-	districts of		
		Es A	1		
		A.	}		
		Agriculture vigent is moderate over some of the	parts 1		
		VIV	14		1   Page



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

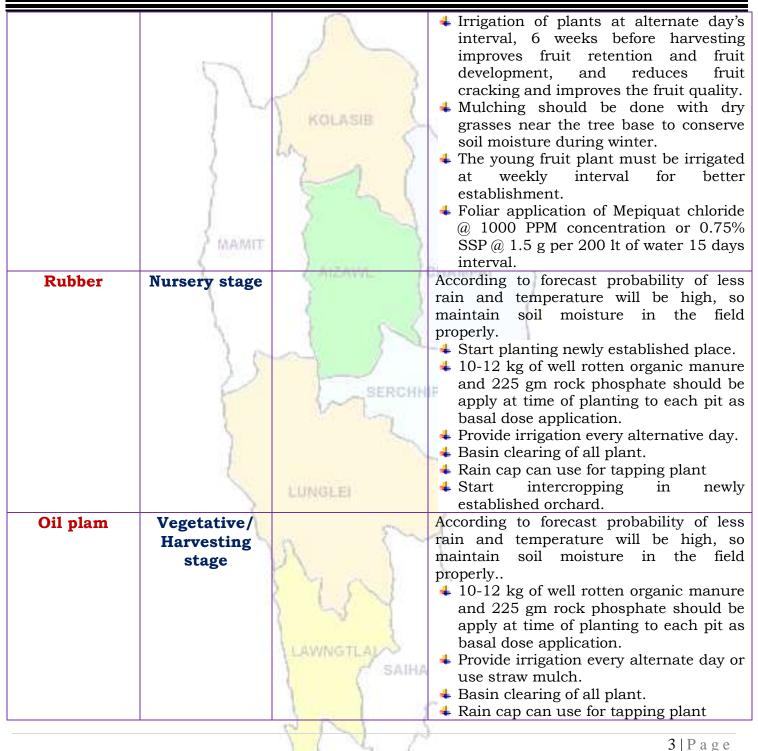


Main Crop/         Stage         Cultural         Agricultural / Horticultural/ animal								
	Stage		Agricultural / Horticultural / animal					
Animal		practices/ Pest/	husbandry advisories					
/Fisheries		Diseases						
FRUITS CROPS								
KHASI	Nursery and	5	According to forecast probability of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



ICAR RESEARCH COMPLEX FOR NEH REGION







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



			Start intercropping in newly
			established orchard.
			✤ Fruits are harvested when they attain
			full size, develop attractive colour with
	2.1	1	optimum sugar and acid blend.
<b>Passion Fruit</b>	Tropoplanting		<ul> <li>➡ High yielding mother vine with good</li> </ul>
Passion Fruit	Transplanting	KOLASIB	
	stage		quality fruits and free of virus diseases
	)	LA.	should be selected to provide cuttings.
	(	3 0 1	<b>4</b> A cutting should contain at least 3
	2		buds and must be planted in sand
	1		beds.
		2	<b>4</b> 10-12 kg of well rotten organic manure
	120 mm		and 225 gm rock phosphate should be
	/ MAMIT	$\lambda \rightarrow \lambda$	apply at time of planting to each pit as
	S	A according 1	basal dose application.
		AIZAWIL J	4 Provide irrigation every alternate day or
		5 V	use straw mulch.
		5	Grafting:
	S	1 55	+ The root stock of yellow Passion fruit is
	13		planted in polythene sleeves and the
	S . (*		section from Rahangala hybrid is
	11		grafted using wedge or approach
	8	SERCHN	
	1	V	method of grafting.
	5		Provide irrigation every alternate day or use straw mulch.
CEREALS AND			use straw mulch.
Maize			According to forecast probability of less
	Vegetative	WHEN STREET	
(Jhum)	stage	LUNGLEI	rain and temperature will be high, so
	5		maintain soil moisture in the field
			properly.
		10 V V	<b>4</b> Earthing up soil for better growth and
			stability in root zone.
		1 M R. 1	<b>4</b> Use split dose of any nitrogenous
			fertilizer for better growth.
Maize	Sowing stage	1 24 1	+ Two to three plough are necessary to
			get the soil well pulverized and weed
		LAWNGTLAL	free.
		- SAIHA	Seed is being placed in furrows.
		(	<b>4</b> Seed should be treated with Thiram
			@4 g/kg seed.
			Use optimum seed rate (20-25 kg/ha)
		6 1 1	
			4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



for desire plant population. Apply well decomposed FYM @ 5- t/ha along with 80:60:40 kg N, P ₂ and K ₂ O/ha incorporate with s before sowing. Half nitrogen dose w	
use at the time of sowing as remaining 25% after one month as 25% at flowering stage. Provide irrigation or use straw mult for better germination.	soil will and and
Kharif RiceNursery stage+ Use only Well filled and healthy seeds+ Put the seed in 2.5% salt solution 250 g of common salt in 10 lts of wate+ Seed treated with Bavistin 50 WP 0.1% (2 g/lt) solution.+ Mulching is requiring for beth germination in nursery.	n i.e ater. P @ etter
Jhum Rice       Vegetative stage       4 According to forecast probability of legrain and temperature will be high, maintain soil moisture in the file properly.         4 Earthing up soil for better growth and stability in root zone.       4 Earthing up soil for better growth and stability in root zone.	i, so field and
Kharif pulses (Green gram, Black gram and Rajma)Sowing stageInorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination	nd
Ginger and turmeric       Sowing stage       Rhizome should be treated with Thira @4 g/kg seed.         Use optimum seed rate (50-60 kg/ha) for desire plant population.       Use optimum seed rate (50-60 kg/ha) for desire plant population.         Apply well decomposed FYM/ primanure @ 10-20 t/ha along with 120:80:60 kg N, P2O5 and K2O// incorporate with soil before sowirt Half nitrogen dose will use at the time of sowing and remaining 25% after or month and 25% at flowering stage.	a) pig with )/ha ving. time
5   P a g e	ge



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	0	4	According to forecast probability of
us crop				less rain and temperature will be high,
_	10000 C			so maintain soil moisture in the field
	6	1		properly.
		2 3	-	Provide split doses of urea (70g/pt) at
		KOLASIE		the time of full blooming.
		NULASID >	4	Apply irrigation every alternate day or
	1	En S		use straw mulch for conserve soil
	1	1 6 1		moisture.
	2		-	In large gardens apply carbaryl 0.2 per
	1			cent or malathion 0.15 per cent
	1	2 24		suspension containing sugar or
	Same			jeggery at 10 g/l at fortnightly
	/ MAINIT	1		intervals at flowering and fruit
	8	LAIZAWE I	CH3	initiation against fruit fly and
				pumpkin beetle.
Chilli	Vegetative to	1 2	-	According to forecast probability of
	flowering	S all		less rain and temperature will be high, so maintain soil moisture in the field
	stage			properly.
			4	Earthing up soil for better growth and
	12		Ť	stability in root zone.
	1	SERCHN	IF 🛔	Apply irrigation every alternate day or
		V La		use straw mulch for conserve soil
	5			moisture.
			4	Don't use split dose of any nitrogenous
	d.			fertilizer for better growth.
		LUNGLEI	4	If possible use straw mulch/ grass
	3	reserved to be the fill	5	mulch in row to prevent moisture loss
	S. M.	-	-	and better growth of plant.
		Fruit fly	1	In large gardens apply carbaryl 0.2 per cent
			0	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
		1 7 201		fortnightly intervals at flowering and fruit
			1	initiation.
Cowpea	Vegetative	1 - 1	4	According to forecast probability of less
•	stage	1		rain and temperature will be high, so
		LAWNGTLAU		maintain soil moisture in the field
		SAIHA		properly.
			4	Earthing up soil for better growth and
			2	stability in root zone.
		N N I	4	Don't use split dose of any nitrogenous
		VIV C		<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

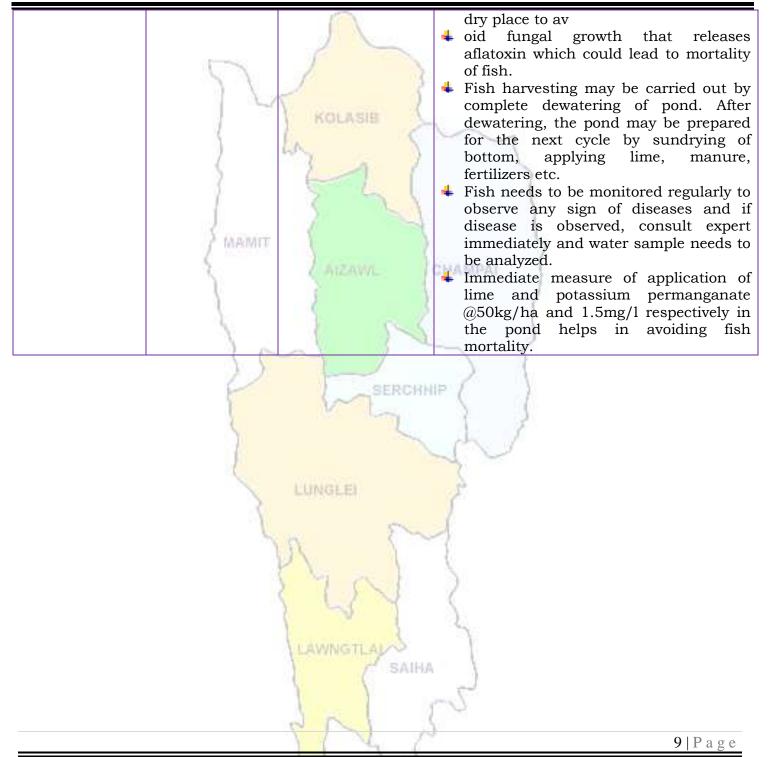


Poultry       All age group       Image group       Image group       Image group         Poultry       All age group       Provide preventive dose of anti-coccidia drugs to poultry.       Provide preventive dose of anti-coccidia drugs to poultry.         Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water       Avoid overcrowding.         Provide broad-spectrum antihelminthid drugs under vet supervision an recommended doses.       Vaccination as per the schedule with proper consultation with vet.         Day old chick: HVT Marek disease vaccine, 4-7 days: – F/Lasota, 14-1 days: Intermediate plus/IB vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days. RD R-2B strain.         FISHERY         Monitoring of fish in pond				
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Poultry       All age group       Image: second sec		1	1	
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Poultry       All age group         Provide preventive dose of anti-coccidia drugs to poultry.         Proper ventilation of shed.         Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water         Avoid overcrowding.         Provide broad-spectrum antihelminthin drugs under vet supervision an recommended doses.         Vaccination as per the schedule with proper consultation with vet.         > Day old chick: HVT Marek diseas vaccine, 4-7 days:-¬F/Lasota, 14-1 days: Intermediate plus/IB vaccine, 35 days: F/Lasota, 6- weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days. RD R-2B strain.         FISHERY       4 Care should be taken that fish are fe with feed that are free from fungus.		in the second	Key a Pur	
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Poultry       All age group       Index of the second seco		1	Lo N	
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Poultry       All age group       Provide preventive dose of anti-coccidia drugs to poultry.         Proper ventilation of shed.       Proper ventilation of shed.         Provide glucose/electral along wit vitamin supplements (@5- 6ml/10 birds) with adequate potable water         Avoid overcrowding.         Provide broad-spectrum antihelminthid drugs under vet supervision an recommended doses.         Vaccination as per the schedule wit proper consultation with vet.         > Day old chick: HVT Marek diseas vaccine, 4-7 days: ¬F/Lasota, 14-1 days: Intermediate plus/IB: vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days. RD R-2B strain.         FISHERY         Monitoring of fish in pond		Remain		
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FISHERY         Monitoring of fish in pond         Monitoring of fish in pond         Marked State         Anoid operation         Anoid operation         Avoid overcrowding.         Provide broad-spectrum antihelminthidrugs under vet supervision an recommended doses.         Vaccination as per the schedule with proper consultation with vet.         > Day old chick: HVT Marek diseas vaccine, 4-7 days:	Poultry	All age group	A AIZAWA	
FISHERY         Monitoring of fish in pond				
FISHERY         Monitoring of fish in pond         Monitoring of fish in pond         Monitoring of fish in pond			2	-
birds) with adequate potable water         Avoid overcrowding.         Provide broad-spectrum antihelminthidrugs under vet supervision an recommended doses.         Vaccination as per the schedule wit proper consultation with vet.         > Day old chick: HVT Marek diseas vaccine, 4-7 days:		200	a l	
<ul> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthidrugs under vet supervision an recommended doses.</li> <li>Vaccination as per the schedule wit proper consultation with vet.</li> <li>Day old chick: HVT Marek diseas vaccine, 4-7 days:</li></ul>				
FISHERY         Monitoring of fish in pond         Monitoring of fish in pond         Monitoring of fish in pond		2 0	~ / /	
drugs under vet supervision an recommended doses.         Vaccination as per the schedule wit proper consultation with vet.         Day old chick: HVT Marek diseas vaccine, 4-7 days:¬F/Lasota, 14-1 days: Intermediate plus/IB: vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days. RD R-2B strain.         FISHERY         Monitoring of fish in pond         4         Care should be taken that fish are fee with feed that are free from fungus.				<u> </u>
FISHERY         Monitoring of fish in pond         Monitoring of fish in pond		5	SERCHN	
<ul> <li>FISHERY</li> <li>Monitoring of fish in pond</li> <li>Monitoring of fish in pond</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek diseas vaccine, 4-7 days:¬ F/Lasota, 14-1 days: Intermediate plus/IBI vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days RD R-2B strain.</li> <li>Remove wet litter.</li> <li>Fisher the schedule with feed that are free from fungus.</li> </ul>		1		
FISHERY         Monitoring of fish in pond         Monitoring of fish in pond		5		
FISHERY         Monitoring of fish in pond         Monitoring of fish in pond             Pay old chick: HVT Marek diseas vaccine, 4-7 days: ¬F/Lasota, 14-1 days: Intermediate plus/IBI vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days RD R-2B strain.              Pister Monitoring of fish in pond				
FISHERY         Monitoring of fish in pond         Monitoring of fish in pond		0.00		
days:       Intermediate       plus/IBi         vaccine,       35       days:       F/Lasota,         vaccine,       35       days:       F/Lasota,         fowl       pox       vaccine       and         fish in pond       Image: Chicken       embryo       adopte         fish in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte         fish       in pond       Image: Chicken       embryo       adopte		100	WHICH AND THE COMPANY	
FISHERY       Monitoring of fish in pond       4       Care should be taken that fish are fee with feed that are free from fungus.			LUNGLEI	
FISHERY       Monitoring of fish in pond <ul> <li>Care should be taken that fish are fee with feed that are free from fungus.</li> <li>With feed that are free from fungus.</li> </ul>		1		
fowl pox vaccine and 56-70 days         RD R-2B strain.         FISHERY         Monitoring of fish in pond         4         Care should be taken that fish are fee with feed that are free from fungus.			5	
RD R-2B strain.         FISHERY         Monitoring of fish in pond         Monitoring of fish in pond			J. J.	
Monitoring of fish in pond       Care should be taken that fish are free from fungus.				
FISHERY Monitoring of fish in pond Monitoring of fish in pond Monitoring of fish in pond			1701	
Monitoring of fish in pond       Care should be taken that fish are fe with feed that are free from fungus.	FISHERY		1 4 4	
<b>fish in pond</b> LAWNGTLAL with feed that are free from fungus.		Monitoring of		4 Care should be taken that fish are fed
			LAWNETLANS	
the lungal growth is observed in fis			- SAIHA	the fungal growth is observed in fish
			( SAINA	feed, the feed needs to be sundried for
few days prior to feeding.				A CONTRACT OF A
			N a l	<b>4</b> Fish feed should be stored in cool and
8   P a g e		1	C C A	



**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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10 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Lunglei

Bulletin N	lo: - 805	/2018/	Bulletin/	Mizo
				F ( )

**Period:** 07 July - 11 July, 2018

### Date of issue: 06th July, 2018

		- 1 A C			
Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018
Rainfall (mm)	4	10	9	41	10
Max Temp (°C)	30	30	32	31	31
Min Temp (°C)	14	12	14	14	13
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	91	98	89	92	90
Min RH (%)	93	80	67	63	59
Wind Speed (KmpH)	5	3	2	2	2
*Wind Direction	S-E	S-E	E	E	E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	(250.30mm) -344.00mm (186.21mm)	Saiha- 109.52 m (87.2m) Mamit-449.48m (442.80m)	m Kolasib- m) m Serchhij m)	352.38mm (380.9mm) -411.72mm (259.8mm)
Weather summary of three days			1 th July, 20 dinhmun tu	18 chhunga s r tlangpui	sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):93- Minimum RH (%):79-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 4.16 km Rainfall: 41.9 mm	4-19°C 99% 90% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 89-98% 1 niin. Thli hi dar awi zawngin a th hian khawthiang <b>Weekl</b>	Khua a lum lai 12-14ºC ni tu eh a hniam la kar khatah 2-5 eh rin a ni. A tl g tak hmuh bei	berin 30-32ºC ura beisei a ni i berin 59-93% 5 km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung
NDVI for Mizoram		North East Region 29 far	Mildly dry districts of	condition oc Mizoram.	curs in all
		1 N	12		1   P a g e

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

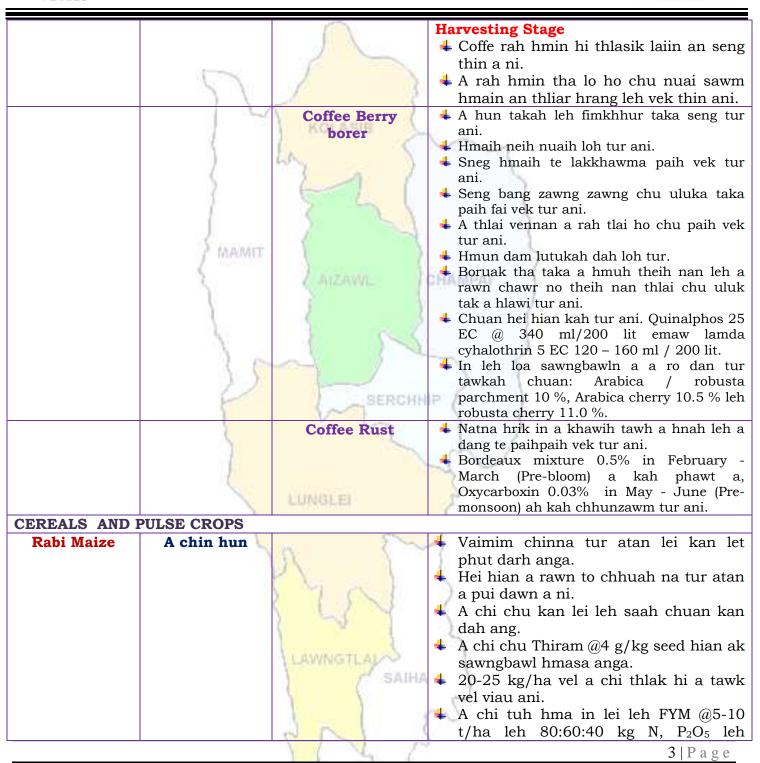


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME	)	La N	4 Thlai naupang deuah chuan chawlh
	(	3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
	20	Z AIZAWIL	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V L	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	10		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	1	100 C	+ Thlai chi thlak hma in Azospirillum leh
		n ?~~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 6	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		( SAINA	ani. Ni 45 hara aralah a diala dhin a alan alan
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2   P a g e



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	5	$\sum$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR	Sowing stage	AIZAWA	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

5 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\bigwedge$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> </ul>
		4 th weeks	<ul> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MAIMIT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWIL 1	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turir hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lah atangin a veng thei.</li> </ul>
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		Y Y Y	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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8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District: Mamit** 

Bulletin No: - 805/2018/ Bulletin/English

**Period:** 07 July – 11 July, 2018

Date of issue: 06th July, 2018

		- 10 <b>6</b> -1				
Parameters	07.07.2018		09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	10	14	13	29	10	
Max Temp (°C)	30	30	31	31	31	
Min Temp (°C)	22	22	23	22	23	
Cloud Coverage	Mainly cloudy	y Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy	
Max RH (%)	90	97	90	90	92	
Min RH (%)	80	83	65	59	73	
Wind Speed (KmpH)	12	7	2	2	4	
*Wind Direction	S	E	E	E	S-E	
Northe	rly- <mark>N</mark> , North	-Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
		-31, 2018 (Percent )				
<b>Aizawl-</b> 383.68mm	-		<mark>aiha</mark> - 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm		p-411.72mm	
(285.5mm)		186.21mm)	(442.80mm	*	(259.8mm)	
Weather summary		Weather fore		<b>n 07thJuly, 20</b> 2	18 To 11 th	
three day		July, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to light and heavy rainfall				
Minimum Tem. (°C):2	1-23°C	during the next 5 days. The maximum and minimum				
Maximum RH (%):92-	97%	temperatures for the next 5 days may range for 30-31°C				
Minimum RH (%):82-9	93%					
Wind Direction: Sout	heasterly	and 22-23°C. Maximum relative humidity is expected in				
Cloud cover: Mainly o		the range of 90-97% and minimum may from 59-80%. Wind direction would be southerly to southeasterly with				
Wind speed: 4.24 km				2	0	
······	,	the wind speed of 2-12 km per hour. Mainly cloudy sky will				
Rainfall: 57.6 mm		prevail during th	e next five day	s.		
		Weekl	y cumulative i	rainfall: 76.0 1	mm	
NDVI for Mizoram		Reads Food Readors	-	condition of		
		~	districts of			
		23	uistricts of	wiizorain.		
		and all				
		CC .	1			
		<b>•</b>				
		Agrouture vigour is rescherate aver some of the register.	parts 11			
		6 5	2		110	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

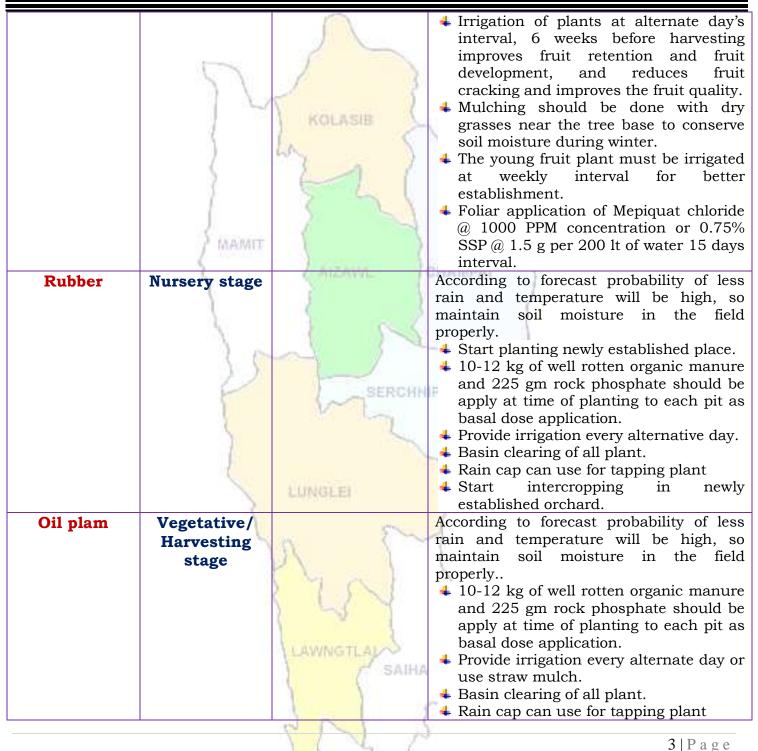


Main Crond	Store	Cultural	Agriculturel / Herticulturel / optimal				
Main Crop/	Stage		Agricultural / Horticultural / animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI	Nursery and	5	According to forecast probability of less				
MANDARIN	gap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



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		Start intercropping in newly
		established orchard.
		◆ Fruits are harvested when they attain
		full size, develop attractive colour with
	1 6	optimum sugar and acid blend.
<b>Passion Fruit</b>	Transplanting	+ High vielding mother vine with good
	stage	quality fruits and free of virus diseases
	stage	should be selected to provide cuttings.
	)	A cutting should contain at least 3
	S	buds and must be planted in sand
	5	beds.
	E	↓ 10-12 kg of well rotten organic manure
		and 225 gm rock phosphate should be
	MAINIT	and 225 gill fock phosphate should be apply at time of planting to each pit as
	L. Marshill A.	hasal dose application
	30	Provide irrigation every alternate day or
	1.	use straw mulch.
		Grafting:
		The root stock of yellow Passion fruit is
	1	planted in polythene sleeves and the
	1 ( C	section from Rahangala hybrid is
	11	grafted using wedge or approach
		method of grafting.
	8	<ul> <li>Provide irrigation every alternate day or</li> </ul>
	(	use straw mulch.
CEREALS AND I	PULSE CROPS	
Maize	Vegetative	According to forecast probability of less
(Jhum)	stage	rain and temperature will be high, so
(Ontant)	stage	maintain soil moisture in the field
	1	properly.
	5	Earthing up soil for better growth and
		stability in root zone.
		Use split dose of any nitrogenous
		fertilizer for better growth.
Maize	Sowing stage	4 Two to three plough are necessary to
		get the soil well pulverized and weed
		LAWNGTLAL free.
		Level is being pleased in furnering
		SAMA + Seed is being placed in furrows. + Seed should be treated with Thiram
		@4 g/kg seed.
		Use optimum seed rate (20-25 kg/ha)
	1	6 2 3
		4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Kharif Rice       Nursery stage         Jhum Rice       Vegetative stage         Jhum Rice       Vegetative stage         Sowing stage       Sowing stage         Image: Construction of the stage (Green gram, Black gram and Rajma)       Sowing stage         Vegetative stage       Sowing stage         Image: Sowing stage       Image: Sowing stage	ICAR			
Kharif Rice       Nursery stage       # Use only Well filled and healthy seeds.         Hut the seed in 2.5% salt solution i.e       250 g of common salt in 10 its of water.         250 g of common salt in 10 its of water.       Seed treated with Bavistin 50 WP @         Jhum Rice       Vegetative stage       # According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.         Jhum Rice       Vegetative stage       # According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.         Kharif pulses       Sowing stage       # Land preparation or sowing in pits         Black gram and Rajma)       Land preparation or sowing in pits         VEGETABLE CROP       Kharif pulses       Sowing stage         Ginger and turmeric       Sowing stage       # Rhizome should be treated with Thiram @4 g/kg seed.         We oplice with soil before sowing.       How of all of the seed and kalthy seeds.         Hut the seed in 2.5% at flowering stage.       # Rhizome should be treated with Thiram @4 g/kg seed.		2	KOLASIB	<ul> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch</li> </ul>
stage       rain and temperature will be high, so maintain soil moisture in the field properly.         Earthing up soil for better growth and stability in root zone.       Earthing up soil for better growth and stability in root zone.         Kharif pulses (Green gram, Black gram and Rajma)       Sowing stage       Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.         VEGETABLE CROP       Use PSB 2g/kg for better germination.       Veges PSB 2g/kg for better germination.         VEGETABLE CROP       Anizome should be treated with Thiram @4 g/kg seed.         Ginger and turmeric       Sowing stage       Rhizome should be treated with Thiram @4 g/kg seed.         Hurder of the stage of the	Kharif Rice		AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)Sowing stageLand preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.VEGETABLE CROPSowing stageRhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population.Ginger and turmericSowing stageHalf nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.	Jhum Rice	-	SERCHN	<ul> <li>rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous</li> </ul>
Ginger and turmericSowing stageRhizome should be treated with Thiram @4 g/kg seed.Use optimum seed rate (50-60 kg/ha) for desire plant population.Use optimum seed rate (50-60 kg/ha) for desire plant population.Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P2O5 and K2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.	(Green gram, Black gram and Rajma)	5	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> </ul>
5   Page	Ginger and	-		<ul> <li>@4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
			612 1	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	0	4 According to forecast probability of
us crop	5 5		less rain and temperature will be high,
	1		so maintain soil moisture in the field
	50	1	properly.
		2 8	Provide split doses of urea (70g/pt) at
		KOLASIE	the time of full blooming.
	1	Controlation of the	4 Apply irrigation every alternate day or
	)	LA N	use straw mulch for conserve soil moisture.
	6	1 1 1	
	1		In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	E.	5 21	suspension containing sugar or
			jeggery at 10 g/l at fortnightly
	MAMIT	1	intervals at flowering and fruit
	2 march 10	100000	initiation against fruit fly and
	5	( AIZAWIL )	pumpkin beetle.
Chilli	Vegetative to	5	4 According to forecast probability of
	flowering	Sec. 1	less rain and temperature will be high,
	stage	1 55	so maintain soil moisture in the field
		~ 1	properly.
	))		<b>4</b> Earthing up soil for better growth and
	-	SERCHN	stability in root zone.
	1	V~1_	Apply irrigation every alternate day or use straw mulch for conserve soil
	2		moisture.
	- P		<ul> <li>Don't use split dose of any nitrogenous</li> </ul>
	10		fertilizer for better growth.
		LUNGLEI	↓ If possible use straw mulch/ grass
	2	Sector Sector Sector	mulch in row to prevent moisture loss
		1000	and better growth of plant.
	5	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
		1 7 201	fortnightly intervals at flowering and fruit
			initiation.
Cowpea	Vegetative		According to forecast probability of less
	stage	Contraction and Contraction	rain and temperature will be high, so
	_	LAWNGTLAN	maintain soil moisture in the field
		SAIHA	properly.
		1 1	<b>4</b> Earthing up soil for better growth and
		1 = 1	<ul> <li>stability in root zone.</li> <li>Don't use split dose of any nitrogenous</li> </ul>
		1 4 6	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Colocasia       Sowing stage         Colocasia       Sowing stage         Planting is done well prepared land on planting is done well prepared well well.         ANIMAL HUSBENDARY <ul> <li>Prig</li> <li>All stages</li> <li>All stages</li> <li>All stages</li> <li>Provide adequate potable water.</li> <li>In present weather conditions, specia available in State Veterinary Departs</li> <li>Cattle</li> <li>All age group</li> <li>Cattle</li> <li>All age group</li> <li>All age group</li> <li>All age group</li> <li>All age group</li> <li>Cattle</li> <li>All age group</li> <li>An present weather conditions, specia care should be ta</li></ul>				
stage       rain and temperature will be high, sc         rain and temperature will be high, sc         maintain scill most merits         Colocasia         Sowing stage         MIMAL HUSBENDARY         Pig         All stages         Pig         All stages         Strong to be provided to young animals.         Pig         All stages         Procine         Reproductive spiratory syndrome (PRRS).         Cattle         All age group         Portine         Reproductive spiratory syndrome (PRRS).         Cattle         All age group         Provide UMB/Molases if possible in the wounds of animals		Vogotativa		
Colocasia       Sowing stage       + Planting is done well prepared land on pits filled up with FYM (12-15) t/ha         Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.       - Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.         ANIMAL HUSBENDARY       - All stages       - Animals must keep in dry place on kept in alleviated area and dry bedding (straw) to be provided to young animals.         Pig       All stages       - Animals must keep in dry place on kept in alleviated area and dry bedding (straw) to be provided to young animals.         1 st injection at 12 months of age followed by annual vaccination under vet supervision against FMD.       - Reduce concentrate diet up to 5%.         Provide adequate potable water.       - In present weather conditions, vaccinate against swine fever (Vaccines available in State Veterinary Departs)         Cattle       All age group       - In present weather conditions, specia care should be taken against attack o maggots in the wounds of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of animals Application of animals Application of turpentine oil in the wounds followed by application of animals Application of turpentine oil in the wounds followed by application of animals Application of anintibioties for five days is advised. <th>Okra</th> <th>-</th> <th>KOLASIB</th> <th><ul> <li>rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and</li> </ul></th>	Okra	-	KOLASIB	<ul> <li>rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
ANIMAL HUSBENDARY         Pig       All stages         All stages         Pig       All stages         Animals       Animals         Pig       All stages         All stages       Animals         Pig       All stages         All stages       Animals         Pig       All stages         All stages       Animals         Pig       All stages         Animals       Animals         Image: Stage	Colocasia	Sowing stage	11	4 Planting is done well prepared land or
Pig       All stages         Pig       All stages         All stages       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.         Reduce concentrate diet up to 5%.         Provide adequate potable water.         In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)         1. Culling of positive pigs or piglets.         Cattle       All age group         All age group       In present weather conditions, special care should be taken against attack or maggots in the wounds of animals Application of turpentine oil in the wounds followed by application or antibiotics for five days is advised.         Provide UMB/Molases if possible in the		5	AIZAWL	<ul> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>
Cattle       All age group         Cattle       All age group         Porcine Reproductive Respiratory Syndrome (PRRS).       Porcine Reproductive Respiratory Syndrome (PRRS).         Cattle       All age group				
Respiratory Syndrome (PRRS).         Cattle       All age group         Image diagram       Image diagram         Image diagram       Image	Pig	All stages	LUNGLEI	<ul> <li>kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
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 antibiotics for five days is advised.         Provide UMB/Molases if possible in the			Respiratory	5
	Cattle	All age group	LAWNGTLAN	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

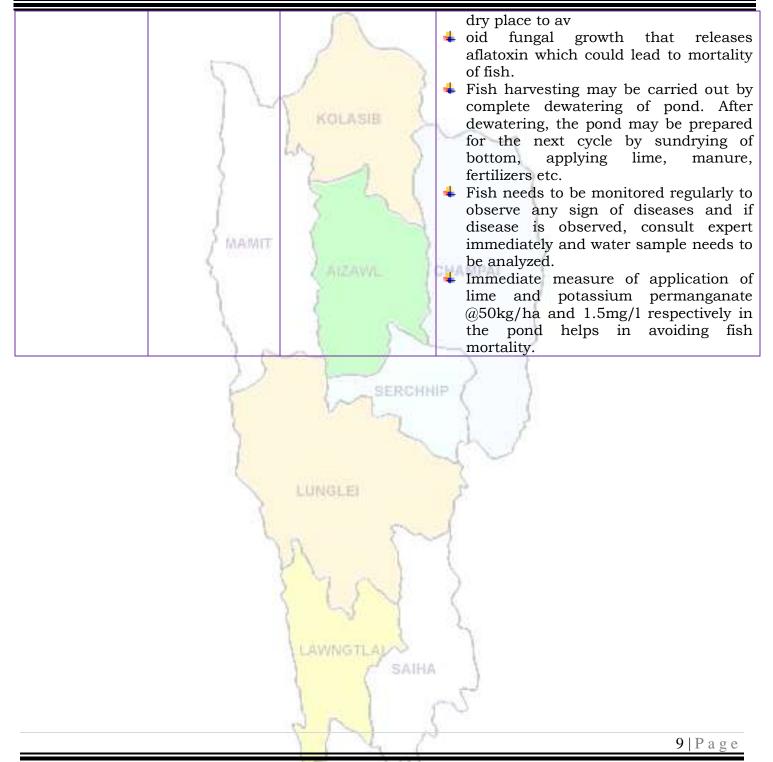


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
			in feed
		1	4 1 st injection at 6-8 weeks of age, 2nd
	2.1	2 2	injection after 6 months of 1 st injection
		N	followed by annual vaccination under
		KOLASIB	vet supervision.
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	0.00	4 Separate sick animals.
	)	way 3	4 The animal should be washed with
	S	2 1 1	lukewarm water added with little
	6	the same of the	potash (KMnO4) or neem leaves.
	E.		Long hair near the
			udder/stomach/back legs should be
	MAMIT	1	teamed short.
De 14		) (	
Poultry	All age group	Z ATZAWIL /	Provide preventive dose of anti-coccidial drugs to poultry.
	1	2 2	Proper ventilation of shed.
	36	3 al	+ Provide glucose/electral along with
	· 1 / · · ·		vitamin supplements (@5- 6ml/100
	2.0		birds) with adequate potable water
	1)		Avoid overcrowding.
	5	SERCHN	Provide broad-spectrum antihelminthic
	3		drugs under vet supervision and
	5		recommended doses.
			4 Vaccination as per the schedule with
			proper consultation with vet.
	and the second s	March Construction	> Day old chick: HVT Marek disease
		LUNGLEI	vaccine, 4-7 days:¬ F/Lasota, 14-18
	3		days: Intermediate plus/IBD
		550	vaccine, 35 days: F/Lasota, 6-7
		$\Lambda$ ( $\sim$	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
		M ALL	RD R-2B strain.
			🖊 Remove wet litter.
FISHERY	1	54	
	Monitoring of		4 Care should be taken that fish are fed
	fish in pond	LAWNGTLAUN	with feed that are free from fungus. If
	-	- SAIHA	the fungal growth is observed in fish
			feed, the feed needs to be sundried for
			few days prior to feeding.
			<b>4</b> Fish feed should be stored in cool and
		VIN A	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: Mamit**

Bulletin	<b>No:</b> -	805,	/2018/	Bulletin/	Mizo
				·	0

Period: 07 July - 11 July, 2018

### Date of issue: 06th July, 2018

	2 1		1			
Parameters	07.07.2018		09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	10	14	13	29	10	
Max Temp (°C)	30	30	31	31	31	
Min Temp (°C)	22	22	23	22	23	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy	Mainly cloudy	
Max RH (%)	90	97	90	90	92	
Min RH (%)	80	83	65	59	73	
Wind Speed (KmpH)	12	7	2	2	4	
*Wind Direction	S	E	E	E	S-E	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent ) i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary of the past three days		07 th July – 11 th July, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):92- Minimum RH (%):82- Wind Direction: South Cloud cover: Mainly of Wind speed: 4.24 km Rainfall: 57.6 mm	1-23°C 97% 93% heasterly cloudy	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san lai berin 90-97% leh a hniam lai berin 59-80% ni tur a rin niin. Thli hi darkar khatah 2-12 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
		Weekly cumulative rainfall: 76.0mm				
NDVI for Mizoram			Mildly dry districts of	condition oc Mizoram.	ccurs in all	
		612	P		1   P a g e	

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

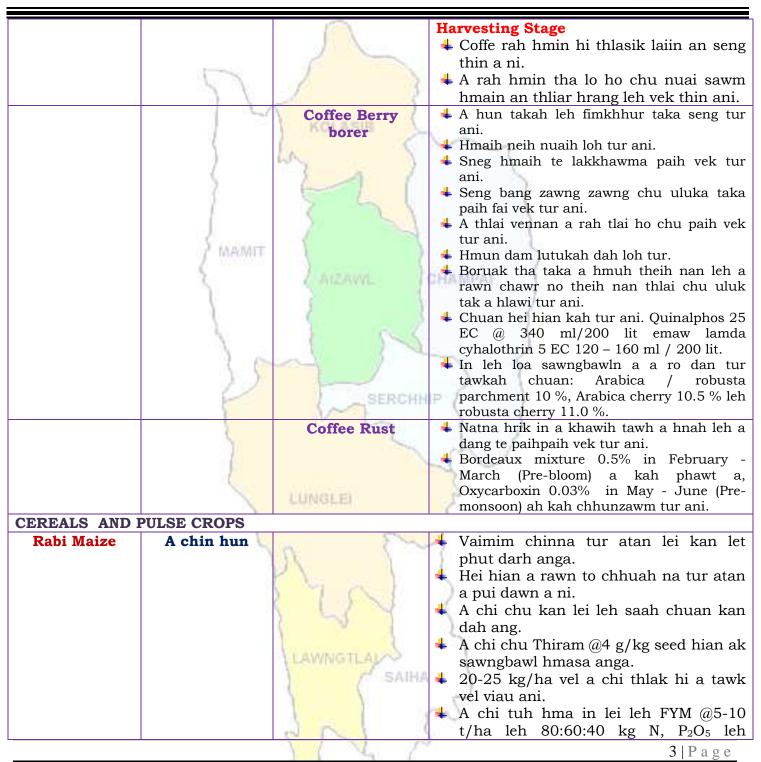


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS			,		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID	8	1 marchine C	velah dahkhawm tur ani.		
LIME	)	La l	4 Thlai naupang deuah chuan chawlh		
	(	3 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		
	/ meaning	5	taka pek hian a rah tla tur chelh nan		
	3. C	Z ATZAWIL	leh a rah than that nan te leh a rah		
PLUM AND			keh tur lakah t a veng thei ani.		
PEACH	1				
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang him natus a stam duk a Sail hama natus		
	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			
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu		
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2		
	5		percent emaw malathion 0.15 percent		
	1		suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR					
COFFEE	All stages	2011/03/2011/1	Nursery stage		
	1	1000	+ Thlai chi thlak hma in Azospirillum leh		
		~ 5~	Phosphobacterium a enkawl tur ani.		
		1	+ A chi hi December – January ah hmun		
		The set V	zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.		
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh		
		- SAIHA	nan niin a chhun loh nan zar hliah tur		
		( SAINA	ani.		
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu		
bag ah an sawn chhuak leh thin ani.					
		6 1 N			
			2   P a g e		



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		612 4	4   P a g e



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



		$\cap$	awm thin a , hei hi natna tlanglawn ber ani.
			<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
	2.1	1 8	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	<b>4</b> A than a that theih nan nikhat danah
capsicum	1	W7 (2)	tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula
	>		hnim ring vawm khawm hi tui pek
	1	2 5	zawhah dah tur ani.
	1	2 24	<ul> <li>Thlai chhina hmun (nursery) hi hnim a</li> </ul>
	S IN MART		to loh nan Pendimethalin @ 3.5ml hi
	J' MAINIT	1	tui liter 1 zelah pawlh a kah hi a tha
	1	Z ARZAWAL /	hle ani.
	1	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	0.00	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	S	1 54	(Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh
	1	V 3 M	emaw 2 g captan emaw 3 copper
	10.5		oxychloride a tui liter 1 hi 10-15 DAS a
	1 D	stand	pek hi a tha hle ani.
French bean	Sowing stage	(~)	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	2		a. than a that theih nan tui pek hma
	30		in lei rin pan hmasak tur ani.
	1.06		4 A than duna theih nan leh hnim to loh
	and a second	MIR (1875)	na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and	Sowing stage	LUNGLEI	A than a that theih nan nikhat danah
radish	Sowing stage		tui pek thin tur ani.
iuuisii	5	m 8~	4 Tui pek hnuah thlai bul vawn hnawn
		11	na tur siam tur ani.
		( Var Star )	4 Zikhlum lam chi ah chuan sik leh
		2 1 5 3	📝 sa vangin a hnah ah thil dum a
		1 -3 1	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			🔨 pawlha kah tur ani.
		NO S	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



### ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /liai tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga n
	measures		1-6 ah F1 vaccine pek tur ani a, chuai
	measures	any ()	a puitlingh chuan R ₂ B vaccine pek tu
	5		ani.
		SEL	B complex with antibodies
	1 I	4 th weeks	<b>4 Coccidiosis-</b> Amprolium o
	Remain		coccidiostat
	/ MADVIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	A AIZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai le chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
		8 N N	710
			7   P a g e

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

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



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8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District: Saiha**

Bulletin No: - 805/2018/ Bulletin/English

Period: 07 July - 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018
Rainfall (mm)	4	10	9	41	10
Max Temp (°C)	30	30	32	31	31
Min Temp (°C)	14	12	14	14	13
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	91	98	89	92	90
Min RH (%)	85	85	85	70	69
Wind Speed (KmpH)	4	4	4	2	4
*Wind Direction	S-E	S-E	E	E	E
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- S-E,	
		Westerly- <mark>S-W</mark> , We			
		31, 2018 (Percent			
<b>Aizawl-</b> 383.68mm			aiha- 109.52 mm		352.38mm
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>		p-411.72mm
(285.5mm)	i	86.21mm)	(442.80mn		(259.8mm)
Weather summary		Weather fore		n 07 th July, 201	18 To 11 th
three day	S		July, 2	018.	
Maximum Tem. (°C):2	22-27°C	There are chance	es of moderate	e to light and h	neavy rainfall
Minimum Tem. (°C):1	.5-18ºC	during the nex	t 5 davs. The	e maximum ar	nd minimum
Maximum RH (%):98-	1	temperatures for	•		
Minimum RH (%):78-	$\mathbf{\Delta}\mathbf{\Delta}0$	and 12-14°C. M		<i>v v v</i>	
Wind Direction: Sout		the range of 90-9		2	-
Cloud cover: Mainly of		0		<b>.</b>	
Wind speed: 4.49 km	/ חד	direction would		0	
		speed of 2-4 km		anly cloudy sky	y will prevail
Rainfall: 42.1 mm		during the next	five days.		
		· · · · · · · · · · · · · · · · · · ·	y cumulative i	<b>rainfall:</b> 74.0 1	nm
NDVI for Mizoram		North East Region 29	Mildly dry	condition oc	curs in all
		~ =-	districts of		
		000			
		man al			
			1		
		V8	= J .		
		Agriculture vigour to moderate over some of the	parts Is		
		N DO 1			
		VIN	14		1   Page
		in the second	E		Irage



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

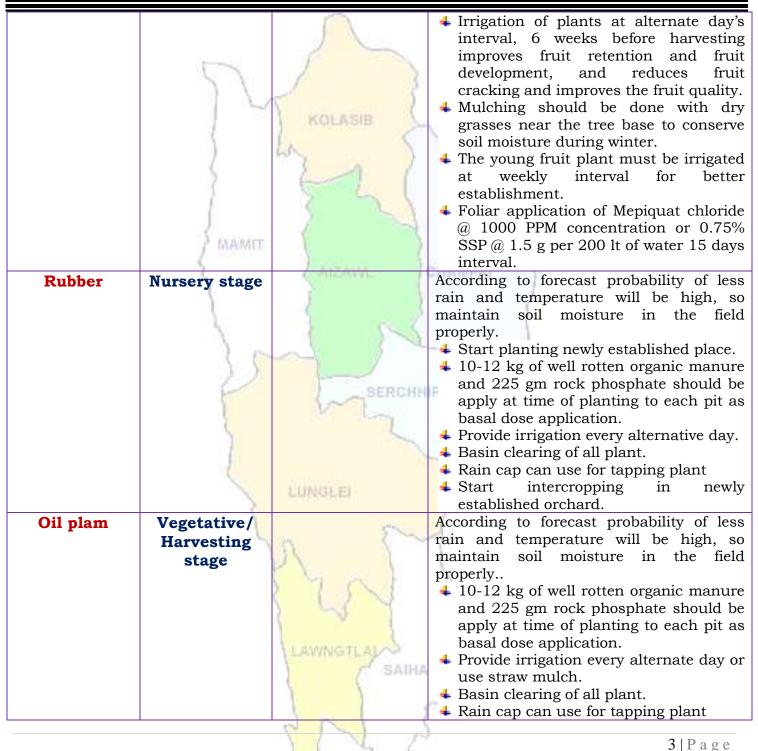


Main Crond	Store	Culturel	Agniculture 1 / Herticulture 1 / egime 1				
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI	Nursery and	5	According to forecast probability of less				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



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		Start intercropping in newly
		established orchard.
		♦ Fruits are harvested when they attain
		full size, develop attractive colour with
	2.1	optimum sugar and acid blend.
<b>Passion Fruit</b>	Tropoplanting	
Passion Fruit	Transplanting	
	stage	quality nuits and nee of virus diseases
	)	should be selected to provide cuttings.
	(	A cutting should contain at least 3
	2	buds and must be planted in sand
	1	beds.
	1	↓ 10-12 kg of well rotten organic manure
	120	and 225 gm rock phosphate should be
	/ MAMIT	apply at time of planting to each pit as
	S	basal dose application.
		<ul> <li>Provide irrigation every alternate day o</li> </ul>
	1	use straw mulch.
	<u> </u>	Grafting:
	S	The root stock of yellow Passion fruit is
	13 - 2	planted in polythene sleeves and the
	1.0	section from Rahangala hybrid is
	11	grafted using wodge or epprovel
	1	
	1	method of grafting.
	5	Provide irrigation every alternate day o
		use straw mulch.
CEREALS AND		t Assertions to ferrore transhelitter of the
Maize	Vegetative	According to forecast probability of less
(Jhum)	stage	rain and temperature will be high, se
	1	maintain soil moisture in the field
		properly.
		Earthing up soil for better growth and
		stability in root zone.
		Use split dose of any nitrogenous
		fertilizer for better growth.
Maize	Sowing stage	<b>4</b> Two to three plough are necessary to
		get the soil well pulverized and week
		LAWNGTLAL free.
		Same Seed is being placed in furrows.
		Seed should be treated with Thiran
		@4 g/kg seed.
		Use optimum seed rate (20-25 kg/ha
		4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Kharif Rice       Nursery stage         Jhum Rice       Vegetative stag				
Kharif Rice       Nursery stage <ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% sail solution i.e</li> <li>250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @</li> <li>0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Kharif pulses (Green gram, Black gram and Rajma)</li> <li>VEGETABLE CROP</li> <li>Ginger and turmeric</li> <li>Sowing stage</li> <li>Reiman</li> <li>Sowing stage</li> <li>Rhizom should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂Os and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li>		2	KOLASIB	<ul> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch</li> </ul>
stagerain and temperature will be high, so maintain soil moisture in the field properly.Kharif pulses (Green gram, Black gram and Rajma)Sowing stageVEGETABLE CROPSowing stageGinger and turmericSowing stageGinger and turmericSowing stageFigure 1Kharif pulses (Green gram, Black gram and Rajma)Mathematical SolutionSowing stageHereinKharif pulses (Green gram, Black gram and Rajma)Mathematical SolutionSowing stageVereinKinzome should be treated with Thiram (@4 g/kg seed.Weild decomposed FYM/ pig manure (@ 10-20 t/ha along with 120:80:60 kg N, P2O5 and K2O/ha incorporate with soil before sowing, Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.	Kharif Rice		AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)Sowing stageLand preparation or sowing in pits Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.VEGETABLE CROPSowing stageRhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P2O5 and K2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.	Jhum Rice		SERCHN	<ul> <li>rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous</li> </ul>
Ginger and turmericSowing stageRhizome should be treated with Thiram @4 g/kg seed.Use optimum seed rate (50-60 kg/ha) for desire plant population.Use optimum seed rate (50-60 kg/ha) for desire plant population.Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.	(Green gram, Black gram and Rajma)	5	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> </ul>
	Ginger and		SAIHA	<ul> <li>@4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
5   P a g e			612 1	5   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Cucurbitaceo	Fruiting stage	0	4 According to forecast probability of
us crop	5 5		less rain and temperature will be high,
	1		so maintain soil moisture in the field
	50	1	properly.
		2 8	Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming.
	1	1 monorione 2	4 Apply irrigation every alternate day or
	)	LA N	use straw mulch for conserve soil moisture.
	(	1 1	
	1		In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
	E.	5 21	suspension containing sugar or
			jeggery at 10 g/l at fortnightly
	MAMIT	1	intervals at flowering and fruit
	2 march 10		initiation against fruit fly and
	5	( AIZAWL )	pumpkin beetle.
Chilli	Vegetative to	5	According to forecast probability of
	flowering	Sec. 1	less rain and temperature will be high,
	stage	1 55	so maintain soil moisture in the field
		~ 1 ~	properly.
	))		Earthing up soil for better growth and
		SERCHN	stability in root zone.
	1	V~1_	Apply irrigation every alternate day or use straw mulch for conserve soil
	1		moisture.
			<ul> <li>Don't use split dose of any nitrogenous</li> </ul>
	1		fertilizer for better growth.
		LUNGLEI	↓ If possible use straw mulch/ grass
	2	Provide States and States an	mulch in row to prevent moisture loss
		and the second s	and better growth of plant.
	1	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
		1 9 25-1	fortnightly intervals at flowering and fruit
			initiation.
Cowpea	Vegetative	1 - 1	According to forecast probability of less
_	stage	And the second second second	rain and temperature will be high, so
	_	LAWNGTLAN	maintain soil moisture in the field
		SAIHA	properly.
		1 1	<b>4</b> Earthing up soil for better growth and
			stability in root zone.
		P N S	Don't use split dose of any nitrogenous
		1 L	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

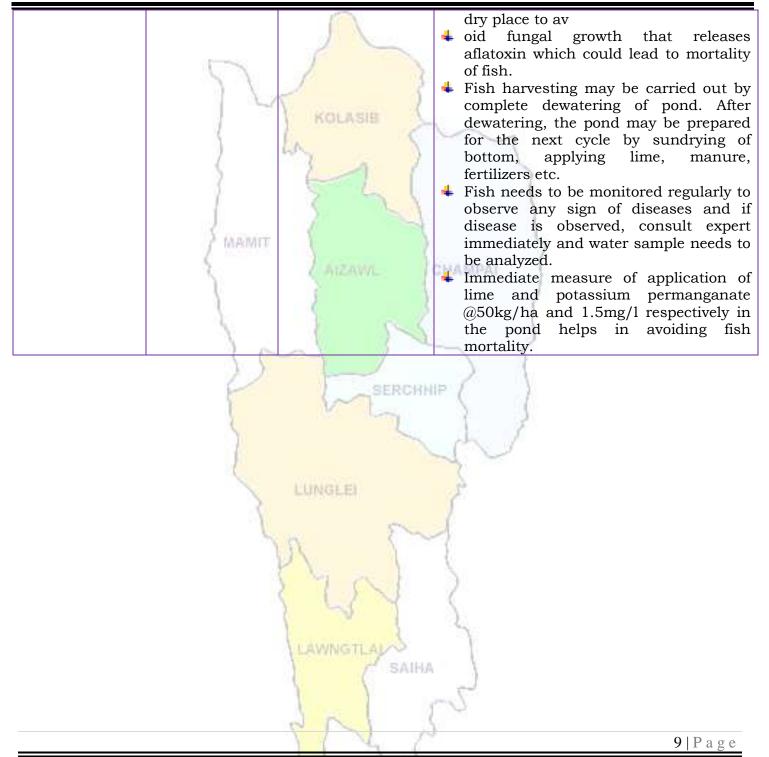


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
	1	5	in feed
	1	6 2	↓ 1 st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1 st injection
	- March	KOLASIE	followed by annual vaccination under
	1	) NULHOLD	vet supervision.
		LA N	Separate sick animals.
	(	3 6 1	4 The animal should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

Bulletin	<b>No:</b> -	805/2	018/	Bulletin/	Mizo
			1	1	0

### Period: 07 July - 11 July, 2018

### Date of issue: 06th July, 2018

Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018
Rainfall (mm)	4	10	9	41	10
Max Temp (°C)	30	30	32	31	31
Min Temp (°C)	14	12	14	14	13
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	91	98	89	92	90
Min RH (%)	85	85	85	70	69
Wind Speed (KmpH)	4	4	4	2	4
*Wind Direction	S-E	S-E	E	E	E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	
			Vesterly-W, Nort		
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent i- 239.49mm (250.30mm) -344.00mm (186.21mm)	t of deviation from Saiha- 109.52 r (87.2m Mamit-449.48m (442.80r	nm Kolasib 1m) nm Serchhi	enthesis) - 352.38mm (380.9mm) ip-411.72mm (259.8mm)
Weather summary of three day	of the past s	07 th July –	11 th July, 20 dinhmun tu	18 chhunga Ir tlangpui	sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):78-9 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 4.49 km Rainfall: 42.1 mm	5-18°C 100% 92% heasterly cloudy	tura beisei a ni vawh lai ber i berin of 90-989 niin. Thli hi da awi zawngin a t	ang lo awm tur . Khua a lum la n 12-14ºC ni t % leh a hniam 1 urkar khatah 2- tleh rin a ni. A t ng tak hmuh be	i berin 30-32°C ura beisei a n lai berin 69-85° 4 km vela chai langpuiin tun r	C a ni ang a. A i. RH san lai % ni tur a rin kin chhaklam
			cly cumulative		
NDVI for Mizoram			Mildly dry districts of	y condition o `Mizoram.	ccurs in all
		5 N	P		1   Page

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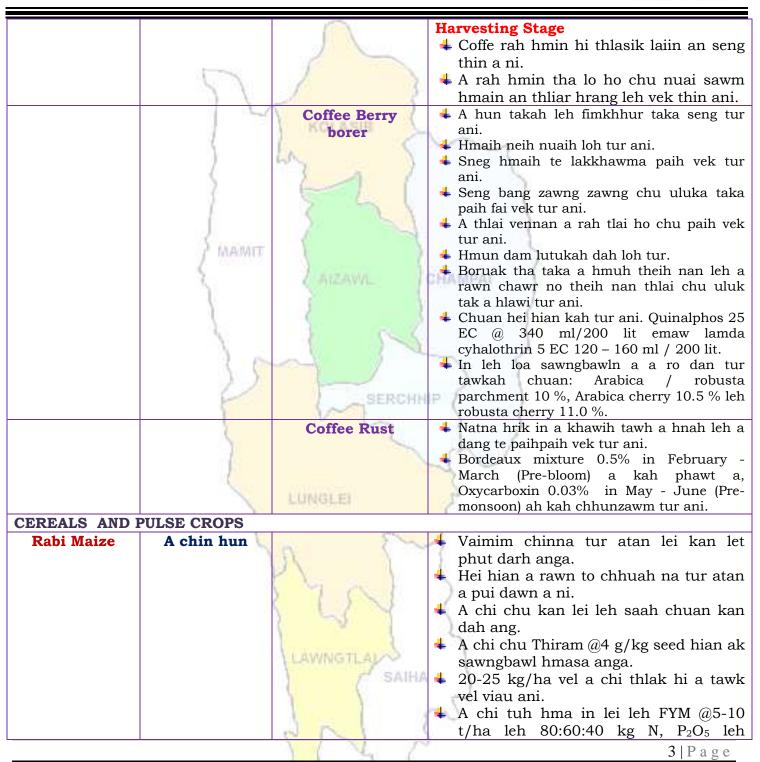


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	3	Constantine C	velah dahkhawm tur ani.
LIME	)	LA.	<b>4</b> Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	1	the second second	4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1	S	taka pek hian a rah tla tur chelh nan
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH	1		keh tur lakah t a veng thei ani.
PEACH		O i i i i i i i i i i i i i i i i i i i	<b>4</b> Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	80	greening and Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	Huan zau takah chuan a par tan tirh leh a
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu
	1	N Lan	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
	1	n (~~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 9 25-1	tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 6	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N S	
		VIL M	2   P a g e



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







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ICAR			
	5	$\sum$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR	Sowing stage	AIZAWA	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



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



Onion and capsicumNursery stagePoly houseImage: A that the poly houseOnion and capsicumNursery stagePoly houseImage: A that tui per Image: Thiai to lot tui lit hightPhytopthora blightPhytopthora Image: A that to lot tui lit hlightImage: A that tui lit hlightFrench beanSowing stageImage: A that in lei r Image: A that	hna lam chi leh zikhlum lam eng reng enkawl nan Mancozeb m ah tui leter 1 pawlha kah ni. n a that theih nan nikhat danah k thin tur ani. bul vawn hnawn nana thlai bula ring vawm khawm hi tui pek ah dah tur ani. chhina hmun (nursery) hi hnim a n nan Pendimethalin @ 3.5ml hi ter 1 zelah pawlh a kah hi a tha hi. ven that nan thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl 4g
capsicum       tui per tripe         tui per tripe       Thlai hnim zawha         tui per tripe       Thlai hnim zawha         tui lit       Thlai to loh tui lit         tui lit       hle ar         Phytopthora       A chi emaw (Apror         blight       Hneh emaw oxychi pek hi         French bean       Sowing stage       4 Tui pe a. tha in lei r	k thin tur ani. bul vawn hnawn nana thlai bula ring vawm khawm hi tui pek ah dah tur ani. chhina hmun (nursery) hi hnim a n nan Pendimethalin @ 3.5ml hi ter 1 zelah pawlh a kah hi a tha hi. ven that nan thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl 4g
French bean     Sowing stage     Itui lit hle ar       French bean     Sowing stage     Itui lit hle ar	er 1 zelah pawlh a kah hi a tha hi. ven that nan thiram 3g/kg seed Trichoderma viride 4g+ metalaxyl 4g
French bean     Sowing stage     Image: Comparison of the stage of the sta	Trichoderma viride 4g+ metalaxyl 4g
a. that in lei r A that	<ul> <li>h) / kg seed hi a tha hle ani</li> <li>taka 1% Bordeaux chawhpawlh</li> <li>2 g captan emaw 3 copper</li> <li>loride a tui liter 1 hi 10-15 DAS a</li> <li>a tha hle ani.</li> </ul>
tur an	k a hnihnah hringa khuh tur ani an a that theih nan tui pek hma in pan hmasak tur ani. 1 duna theih nan leh hnim to loh in a kung bulah lei vur chhoh zel i.
radish tui pe 4 Tui p na tui 4 Zikhl sa va rawn tlang 4 Thlai	n a that theih nan nikhat danah k thin tur ani. ek hnuah thlai bul vawn hnawn r siam tur ani. um lam chi ah chuan sik leh angin a hnah ah thil dum a awm thina, hei hi natna lawn ber ani. hna lam chi leh zikhlum lam reng reng enkawl nan
Chi Mano pawll	reng reng enkawl nan



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\bigwedge$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> </ul>
		4 th weeks	<ul> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MAIMIT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWIL 1	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turir hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lah atangin a veng thei.</li> </ul>
		dal	
		Y Y Y	7   P a g e



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

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



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

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8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Serchhip

Bulletin No: - 805/2018/ Bulletin/English

**Period:** 07 July – 11 July, 2018

Date of issue: 06th July, 2018

Parameters	07.07.2018	08.07.2018	09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	14	10	15	28	16	
Max Temp (°C)	22	22	22	23	23	
Min Temp (°C)	13	14	14	13	12	
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	98	90	90	90	90	
Min RH (%)	99	84	68	60	60	
Wind Speed (KmpH)	4	2	2	2	2	
*Wind Direction	S-E	S-E	E	N-E	S-E	
	rlv- N. North-	Easterly- N-E, East	sterly- E. South			
		Vesterly- <mark>S-W</mark> , We				
		31, 2018 (Percent )				
<b>Aizawl-</b> 383.68mm			aiha- 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>	-	p-411.72mm	
(285.5mm)		86.21mm)	(442.80mn		(259.8mm)	
Weather summary	of the past	Weather fore		n 07 th July, 201	18 To 11 th	
three day			July, 2	018.		
Maximum Tem. (°C):2	24-29°C	There are chanc	es of moderate	e to light and h	neavy rainfall	
Minimum Tem. (°C):1		during the next		0	2	
Maximum RH (%):94-		temperatures for the next 5 days may range for 22-23°C				
Minimum RH (%):86-		and $12-14^{\circ}C$ . M		<i>v v v</i>		
Wind Direction: Sout	hoostorly				-	
Cloud cover: Mainly of		the range of 90-9		•		
Wind speed: 4.09 km	/hr			easterly to	•	
-		northeasterly an				
Rainfall: 41.6 mm		km per hour. Ma	inly cloudy sky	y will prevail du	ring the next	
		five days.				
		Weekl	y cumulative i	rainfall: 83.0 1	mm	
NDVI for Mizoram		North East Region 24 Jun	Mildly drv	condition oc	curs in all	
		~	districts of			
		STR I				
		COS A	Main			
		-R =				
		Agriculture signal is maskeate over some of the part region.	i Nearth			
		VIN	14		1   D a g a	
		-			1   P a g e	

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

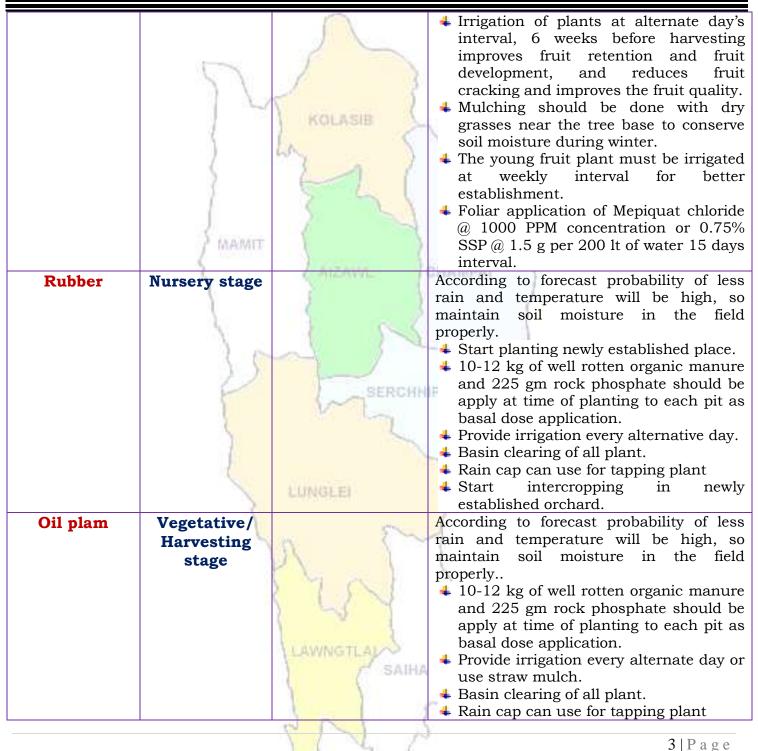


Main One /	Sterre .	0141		
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Nursery and	5	According to forecast probability of less	
MANDARIN	gap filling	KOLASIB	rain and temperature will be high,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



ICAR RESEARCH COMPLEX FOR NEH REGION







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



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	KOLASIB	<ul> <li>for desire plant population.</li> <li>Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>Provide irrigation or use straw mulch for better germination.</li> </ul>
Kharif Rice	Nursery stage	AIZAWL	<ul> <li>Use only Well filled and healthy seeds.</li> <li>Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water.</li> <li>Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution.</li> <li>Mulching is requiring for better germination in nursery.</li> </ul>
Jhum Rice	Vegetative stage	SERCHN	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and Rajma)	Sowing stage	LUNGLEI	<ul> <li>Land preparation or sowing in pits</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 20: 60: 40 kg.</li> <li>Use PSB 2g/kg for better germination.</li> </ul>
VEGETABLE CRO Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
		612 3	5   P a g e
			JIIAgu



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

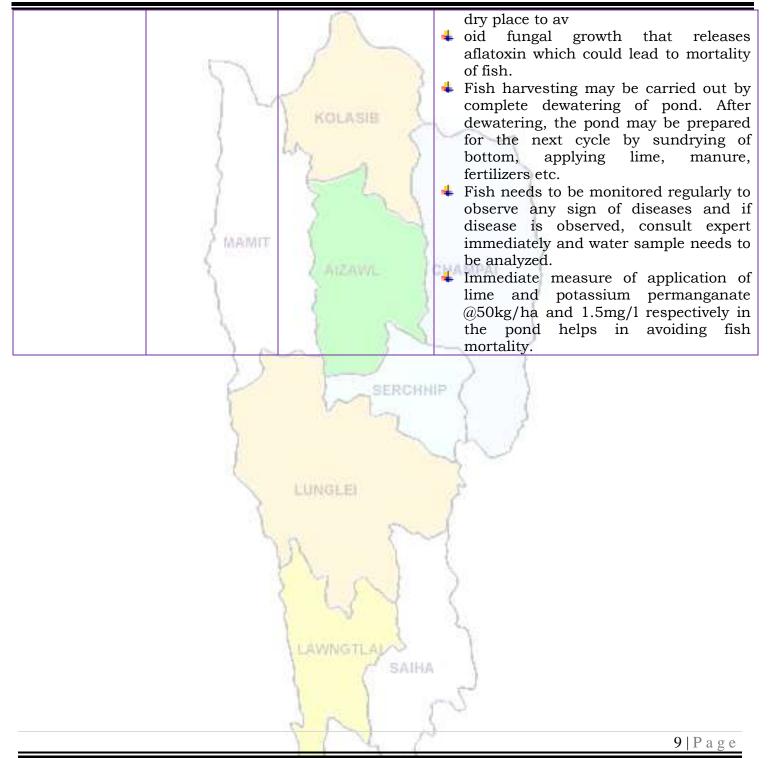


			feed
			<b>4</b> Provide 10-30 ml of vitamin B-Complex
			in feed
			4 1 st injection at 6-8 weeks of age, 2nd
	2.1	1 5	injection after 6 months of 1 st injection
		5	followed by annual vaccination under
		KOLASIE	vet supervision.
	1	1	
	)	La N	<ul> <li>Separate sick animals.</li> </ul>
	(	1 1 1	+ The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



ICAR RESEARCH COMPLEX FOR NEH REGION







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

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



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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:** Serchhip

Bulletin	<b>No:</b> -	805/201	8/ I	Bulletin/	Mizo
			S	A 1	0

Period: 07 July - 11 July, 2018

### Date of issue: 06th July, 2018

		1.40				
Parameters	07.07.2018		09.07.2018	10.07.2018	11.07.2018	
Rainfall (mm)	14	10	15	28	16	
Max Temp (°C)	22	22	22	23	23	
Min Temp (°C)	13	14	14	13	12	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	
Max RH (%)	98	90	90	90	90	
Min RH (%)	99	84	68	60	60	
Wind Speed (KmpH)	4	2	2	2	2	
*Wind Direction	S-E	S-E	E	N-E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark>	,	
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	n-westerly- <mark>N-W</mark>	۷.	
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent of i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasi m) m Serchh	renthesis) b- 352.38mm (380.9mm) hip-411.72mm (259.8mm)	
Weather summary			1 th July 20	18 chhunga		
three day		07 th July – 11 th July, 2018 chhunga sik leh sa dinhmun tur tlangpui				
		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
Maximum Tem. (°C):24-29°C Minimum Tem. (°C):18-20°C Maximum RH (%):94-96% Minimum RH (%):86-91% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 4.09 km/hr		tura beisei a ni. Khua a lum lai berin 22-23°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 90-98% leh a hniam lai berin 60-99% 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: 41.6 mm		Weekly cumulative rainfall: 83.0mm				
NDVI for Mizoram		North East Region 21 Jac	Moderately conditions	wet mildly o	lry/mildly wet	
		PN7	P		1   Page	

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

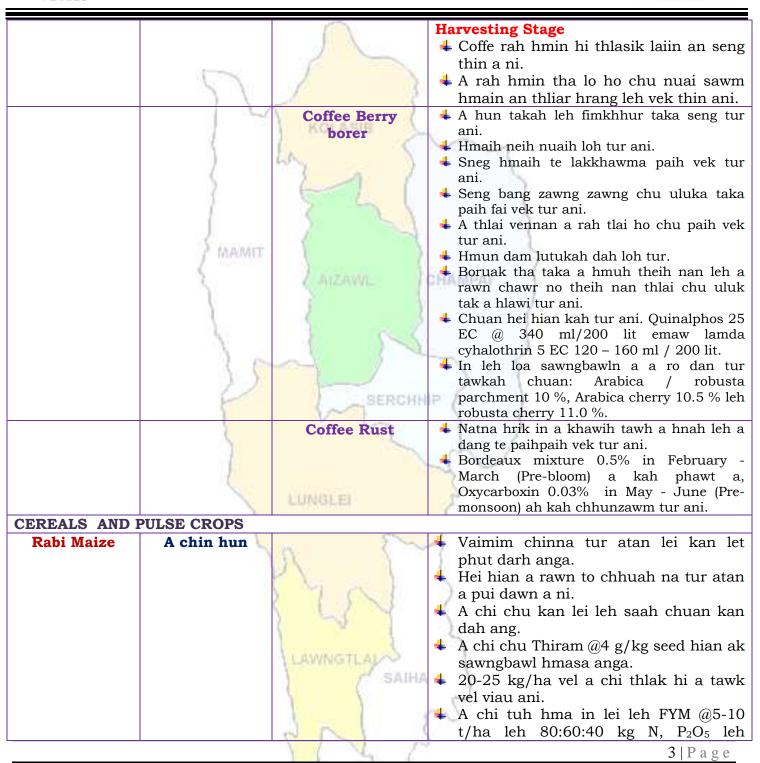


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur	
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul	
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.	
LIME	)	LA.		
	(	1 1	kar tin a tui pek thin tur ani.	
BANANA	1		4 Leia tha mamawh tawk a hmuh	
	1	2 2 1	theihna turin a hmunhma a hnim awm	
			te thlawhfai thin tur ani.	
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha	
	1		taka pek hian a rah tla tur chelh nan	
PLUM AND	3	ATZAWIL	leh a rah than that nan te leh a rah	
PEACH			keh tur lakah t a veng thei ani.	
FEACH		O a start a site site site site site site site site	Tomo antino haisa hitili lah hasana isang	
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna	
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh	
	60	greening and Dieback	a trangah te hnawih tur ani.	
	12	Fruit fly	Huan zau takah chuan a par tan tirh leh a	
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu	
	5	N Lan	heng te hian enkawl tur ani: carbaryl 0.2	
	5		percent emaw malathion 0.15 percent	
	1		suspension containing sugar or jeggery at	
			10 g/l.	
PLANTATION CR		LUNGLEI		
COFFEE	All stages		Nursery stage	
	1	000	+ Thlai chi thlak hma in Azospirillum leh	
	1	$\Lambda$ ( $\sim$	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>	
			zawl/rualrem 1.5 - 2.5 cm a in hlatin	
		1 9 26-1	tlar mumal tak siam in chin tur ani.	
			+ Chuan a chi chu lei tlem te a chhilh a	
		1 -2 1	buhpawla khuh tur ani.	
		Lange and the second second	<b>4</b> Nitin tui pek tur ani a, a sat lutuka loh	
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur	
		SAIHA	ani.	
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu	
		1	bag ah an sawn chhuak leh thin ani.	
		YIL C	2   P a g e	



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ICAR			
	5	$\sum$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR	Sowing stage	AIZAWAL SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

5 | P a g e



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



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	5	$\bigwedge$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> </ul>
	1	4 th weeks	<ul> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MACMIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	LAIZAWA-	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		2nl	
		1 L L	7   P a g e



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8 | Page