

**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,





#### **District:** Lawngtlai

Bulletin	<b>No:</b> -	711/	2017/	Bulletin	/Mizo	
			1. A.		100	

Period: 21 June - 25 June, 2017

#### Date of issue: 20th June, 2017

		R. C.	1		
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017
Rainfall (mm)	8	0	0	0	11
Max Temp (°C)	26	28	28	29	28
Min Temp (°C)	22	23	23	23	22
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	93	97	97	97	96
Min RH (%)	70	65	67	73	67
Wind Speed (KmpH)	5	4	4	4	4
*Wind Direction	E	S-E	E	S-E	S-E
Souther	rly- <mark>S</mark> , South-W	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	grouth agin)
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	- 105.48mm § (359.89mm)	of deviation fr Saiha- 307.40 n (507.7n Mamit-204.87n (442.80n	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)
Weather summary		21 <sup>st</sup> June– 2	· · · · · · · · · · · · · · · · · · ·	<b>f</b>	· · · · · · · · · · · · · · · · · · ·
three day	s		dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):83- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-5 km/2 Rainfall: 40.1 mm	4-15°C 100% 93% heasterly cloudy	Tun ni 2 chhun tura beisei a ni. 1 vawh lai ber in berin 93-97% le niin. Thli hi darl awi zawngin a tle hian khawthiang <b>Weekl</b>	Khua a lum lai 22-23°C ni tu h a hniam lai kar khatah 4-5 ch rin a ni. A tl tak hmuh beis	berin 26-28ºC ara beisei a ni berin 65-73% 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 11 May 2017 14 May 2017	conditions Arrows J Model J Ways G Assum	wet mildly dr	y/mildly wet
			13		1   P a g e

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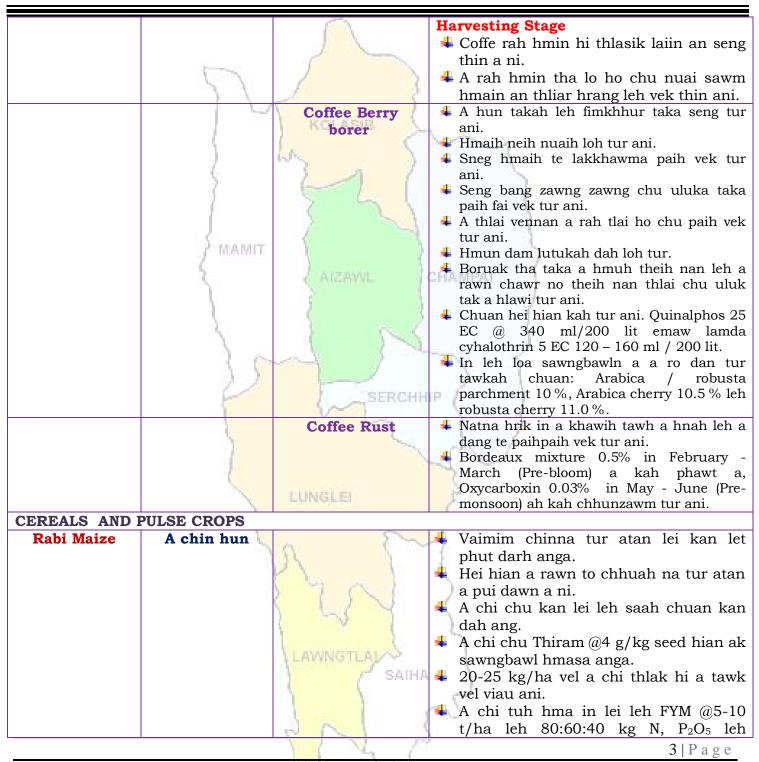
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 NOLNOID	velah dahkhawm tur ani.
LIME		La N	4 Thlai naupang deuah chuan chawlh
	(	3 1 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5 5	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 menual	1	taka pek hian a rah tla tur chelh nan
PLUM AND	2	A AIZAWIL I	leh a rah than that nan te leh a rah
PEACH		2	keh tur lakah t a veng thei ani.
РЕАСП		One on a site of the site of the set	Townsetture being lutule lab because uses
	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 Dieback	a trangah te hnawih tur ani.
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
	1	CALL REPORT	rah tan tirin chawlhkar hnih chhung chu
		V Car	heng te hian enkawl tur ani: carbaryl 0.2
	1		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		Lenverser	
COFFEE	All stages		Nursery stage
		0	+ Thlai chi thlak hma in Azospirillum leh
	1	$\alpha$ $\sim$	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin
	5 C	( A A)	tlar mumal tak siam in chin tur ani.
			$\downarrow$ Chuan a chi chu lei tlem te a chhilh a
		1 20 1	buhpawla khuh tur ani.
			Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			♣ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
L		NO NO	
		NN A	2   P a g e
			2   1 a g c



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Seuboon noo			<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>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	AIZAVIL	<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>
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Onion and capsicumNursery stagePoly houseber ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat dana tui pek thin tur ani.That bul yeawn hnawn nana thlai bul yeawhah dah tur ani.Thlai bul yeawn hnawn nana thlai bul yeawhah dah tur ani.Phytopthora blightPhytopthora blightFrench beanSowing stage4 A chi yen that hean i.Carrot and radishSowing stage4 Tui pek a hnihnah hringa khuh tur a a. t A than a that theih nan nikhat dana tui liter 1 hi 10-15 DAS pek hi a tha hle ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan ni	ICAR			
capsicumtui pek thin tur ani.Image: CapsicumImage: Capsi		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stageImage: Carr			AIZAVIL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stage4A than a that theih nan tui pek hm in lei rin pan hmasak tur ani. 4Carrot and radishSowing stage4A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4A than a that theih nan nikhat dana 		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g</li> <li>(Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh</li> <li>emaw 2 g captan emaw 3 copper</li> <li>oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnav na tur siam tur ani. Zikhlum lam chi ah chuan sik le	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
LAWNGTLAY SAIHA chi reng reng enkawl na		Sowing stage	LAWNGTLAN	<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	<ul> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>
		PN	<b>6</b>   P a g e



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basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	hand {	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	Ł	4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium or coccidiostat
	/ MAMIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	A AIZAWIL I	CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
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Guwahati)



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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **District:** Lunglei

Bulletin No: - 711/2017/ Bulletin/English

Period: 21 June - 25 June, 2017

#### Date of issue: 20th June, 2017

Parameters21.06.201722.06.201723.06.201724.06.201725.06.2017Rainfall (mm)100306Max Temp (°C)2830303029Min Temp (°C)2122222220Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyMax RH (%)9898989899Min RH (%)6662587464Wind Speed (KmpH)33223Wind Speed (KmpH)33223Southerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S.E, South-Westerly- N, Westerly - N-W.STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mm (430.2mm)Champhai- 105.48mm (59.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm)Lawngtiai-291.20mm (435.1mm)Lunglei-326.00mm (455.14mm)Maint: 204.87mm (452.80mm)Serchhip-411.72mm (259.62mm)Weather summary of the past three daysWeather forecast valid from 21th June, 2017 To 25th June, 2017.There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum RH (%):91-94%Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-5 km/hrThere are chances of moderate to light rainfall during the next 5 days may range for 28-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98- would be easterly to easter		1 1	P			
Max Temp (°C)2830303029Min Temp (°C)2122222220Cloud CoverageMainy cloudyMainy cloudyMainy cloudyMainy cloudyMainy cloudyMax RH (%)9898989899Min RH (%)6662587464Wind Speed (KmpH)33223Wind DirectionEEES-EENortherly- N, North-Easterly- N.E, Easterly- E, South-Easterly- S.E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 21th June, 2017 To 25th June, 2017.Maximum Tem. (°C):14-150°C Maximum RH (%):99-100% Minimum RH (%):99-90% Minimum RH (%):99-94% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-5 km/hrThere are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-220°C. Maximum relative humidity is expected in the range of 98- 99% and minimum may from 58-74%. Wind direction would be easterly to southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prev	Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017
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Cloud Coverage Mainly cloudyMainly cloudy sky will prevailMainly cloudy	Max Temp (°C)	28				
Max RH (%)989898989899Min RH (%)6662587464Wind Speed (KmpH)33223Wind DirectionEEES-EENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 21th June, 2017 To 25th June, 2017.There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum RH (%):99-100%There are chances of southeasterly to easterly to a during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98- 99% and minimum may from 58-74%. Wind direction would be easterly to southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramModerately uet mildly dry/mildly wet maximum mem for the measterlyNDVI for MizoramImage: Maximum RH (%):90	Min Temp (°C)	21	22	22	22	20
Min RH (%)6662587464Wind Speed (KmpH)33223*Wind DirectionEEEEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S. South-Westerly- S. W, Westerly-W, North-westerly- S. E, Southerly- S, South-Westerly- S. W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (428.1mm)Kolasib- 236.00mm (428.1mm)Lawngtlai-291.20mm (453.1mm)Lunglei-326.00mm (455.14mm)(507.7mm)(428.1mm) (259.62mm)Weather summary of the past three daysWeather forecast valid from 21th June, 2017 to 25th June, 2017.Maximum Tem. (°C):21-24°C Minimum RH (%):99-100% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-5 km/hrThere are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98- 99% and minimum may from 58-74%. Wind direction would be easterly to southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramWetwee the mathematical five forecast walled from a five forecast walled from a five forecast walled from a five forecast walled five forecast walled fore a five forecast walled	Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Wind Speed (KmpH)33223*Wind DirectionEEES-EENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mmChamphai- 105,48mmSaiha- 307.40 mmKolasib- 236.00mm (428.1mm)Lawngtlai-291.20mm (453.1mm)Champhai- 105,48mmSaiha- 307.40 mmKolasib- 236.00mm (428.1mm)Weather summary of the past three daysLunglei-326.00mm (455.14mm)Mamit-204.87mmSerchhip-411.72mm (452.962mm)Weather summary of the past three daysWeather forecast valid from 21th June, 2017 To 25th June, 2017.There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum RH (%):91-94%Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-5 km/hrWeekly cumulative name of 98- 99% and minimum may from 58-74%. Wind direction would be easterly to southeasterly to easterly with the wind uring the next five days.NDVI for MizoramWethermed and the complete of the next five days.NDVI for MizoramModerately wet mildly dry/mildly wet onditions	Max RH (%)	98	98	98	98	99
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Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- April 1-30, 2017 [Percent of deviation from normal in parenthesis] Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm) (428.1mm) (428.1mm)Lawngtlai-291.20mm (453.1mm)Lunglei-326.00mm (455.14mm)Mamit-204.87mm (442.80mm)Serchhip-411.72mm (259.62mm)Weather summary of the past three daysWeather forecast valid from 21th June, 2017 To 25th June, 2017.There are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98- 99% and minimum may from 58-74%. Wind direction would be easterly to southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramMetalefor Mizoram	Wind Speed (KmpH)	3	3	2	2	3
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Maximum Tem. (°C):21-24°C Minimum Tem. (°C):14-15°C Maximum RH (%):99-100% Minimum RH (%):91-94% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-5 km/hrThere are chances of moderate to light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-22°C. Maximum relative humidity is expected in the range of 98- 99% and minimum may from 58-74%. Wind direction would be easterly to southeasterly to easterly with the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramMethalkelog user for MizoramMethalkelog user for the next of the term methale term of the term methale term of the term methale term methale.Moderately wet mildly dry/mildly wet conditions	three day	s				
Aroutine us pool over most of the parts Norther Area Topus and Meghalays whereas moderate vigour is noticed in of the region.	Minimum Tem. (°C):1 Maximum RH (%):99- Minimum RH (%):91- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-5 km/ Rainfall: 41.7 mm	4-15°C 100% 94% heasterly cloudy 'hr	next 3 days. The the next 5 day Maximum relativ 99% and minin would be easterly speed of 3-4 km during the next f <i>Weekly</i>	maximum and s may range ve humidity is num may from y to southeaste n per hour. Ma five days. y cumulative	l minimum tem for 28-30°C a expected in the m 58-74%. Wi erly to easterly w ainly cloudy sky rainfall: <b>19.0</b> 1	peratures for nd 20-22°C. range of 98- nd direction vith the wind y will prevail
	NDVI IOF MIZOFAM		Apriculture vigour is good over most of the parts North	Conditions accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept accept ac	wet milaly dr	

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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,

a basea on District wise weather Porecast received Guwahati)



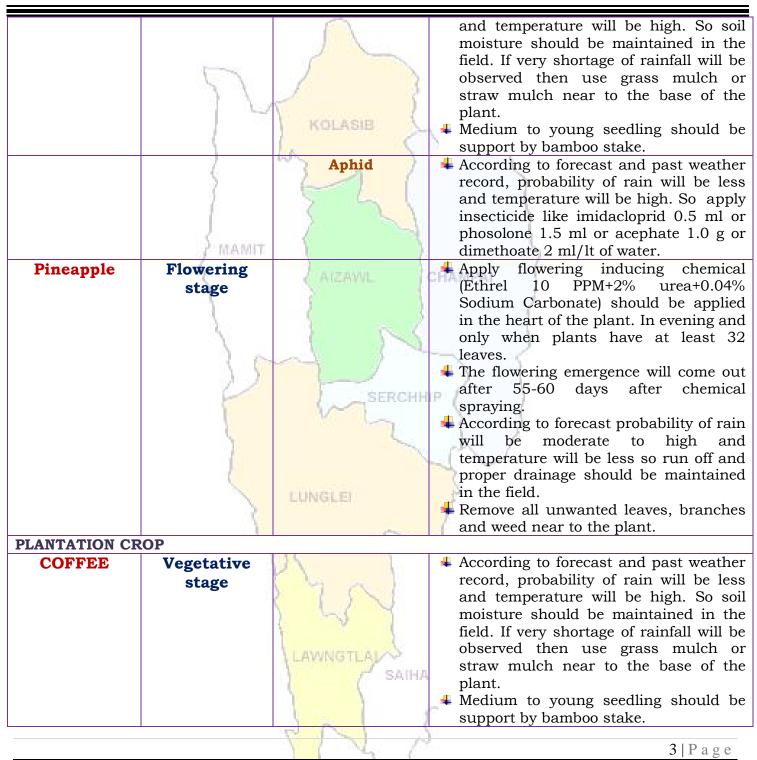
	<u>A</u>		
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	<b>4</b> According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	Ĭ	We N	moisture should be maintained in the
	6	5 1 1	field. If very shortage of rainfall will be
BANANA	1		observed then use grass mulch or
	f.	1 6 5	straw mulch near to the base of the
			plant.
STAR FRUIT	> MAMIT		4 Medium to young seedling should be
	A State State Street	4	support by bamboo stake.
PLUM AND	2	A AIZAWL 1	In the citrus belt, trees can be planted
PEACH			at any time; however, spring is the best
PEACH		1 4 3	time for container grown plants.
	1	1 al	Standard-size trees should be spaced
		1 1 1 1	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
	12		exact distance depends on the variety.
	1	SERCHH	F The bigger the fruit, the farther the distance.
		No log	
	5		Use split dose of fertilizer for normal growth and development
		Gummosis, citrus	growth and development. According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
	No.	greening,	and temperature will be high. So
	>	Dieback, Lamon	following pest problem will be high
	F	butterfly and leaf	Lamon butterfly- Spray monocrotophos
		minor	a $a$ $a$ $a$ $a$ $a$ $a$ $a$ $a$ $a$
			<b>Leaf minor</b> - Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1	emergence.
		1 22 4	<b>4 Citrus Canker-</b> Apply bacterimycin
		Y	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	<b>4</b> Trail semi hard wood stem to bower
	stage	A SAIHA	structure
			Clean near the base of the plant.
			According to forecast and past weather
		121	record, probability of rain will be less
		R IN A	
		1 3 (	2   P a g e



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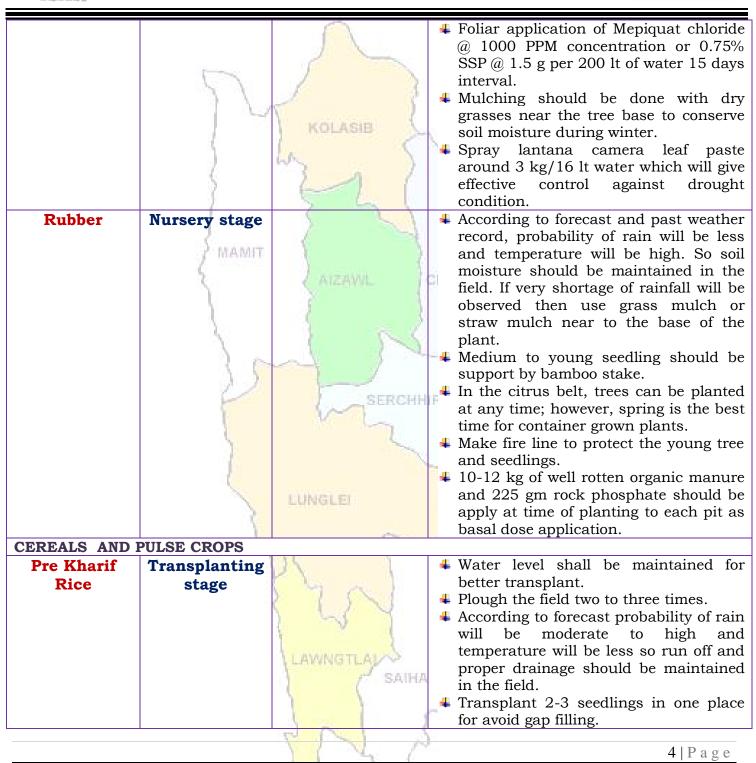




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	T	Rice thrips and rice leaf mites	<ul> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>
Jhum Rice	Germination stage MAMIT	AIZAVIL	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>
	J	Rice stem borer and leaf folder SERCHH	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>
Maize ( <i>Jhum</i> )	Vegetative stage		<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>
<b>VEGETABLE CRO</b>	OP		
Cowpea	Vegetative stage	LAWNGTLAL	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> </ul>
		RN A	5   P a g e
			5 1 4 5 0



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

ea basea on District wise weather Porecast receivea Guwahati)



		0	$\blacksquare$ Clean near the base of the plant.			
Okra	Vegetative		According to forecast probability of rain			
	stage		will be moderate to high and			
		1	temperature will be less so run off and			
	1 1	1 2	proper drainage should be maintained			
	1 12		in the field.			
		KOLASIB	Don't use split dose of fertilizer for top			
	( )		dressing.			
	)	WA 3	Trail semi hard wood stem to bower			
	(	2 1 1	structure			
	(		Clean near the base of the plant.			
		Ohre lesfeetler	<ul> <li>Apply insecticide like imidacloprid 0.5 ml or</li> </ul>			
		Okra leafroller	phosolone 1.5 ml or acephate 1.0 g or			
	> MAMIT	1	dimethoate 2 ml/lt of water.			
Ginger and	Vegetative	1	According to forecast probability of rain			
_		L'AIZAVIL I	will be moderate to high and			
turmeric	stage		temperature will be less so run off and			
	)	1 1	proper drainage should be maintained			
	2	3 8 1	in the field.			
	2 6	~ 1~	Apply well decomposed FYM/ pig			
	3.3		manure @ 10-20 t/ha along with			
	1	SERCHH	$120:80:60$ kg N, $P_2O_5$ and $K_2O/ha$			
		12-1-	incorporate with son for better			
			development.			
Colocasia	Vegetati <mark>ve</mark>		According to forecast probability of rain			
	stage		will be moderate to high and			
			temperature will be less so run off and			
		LUNGLEI	proper drainage should be maintained			
	2		in the field.			
	T.	0	Apply well decomposed FYM/ pig			
	1	$\alpha$ (~	manure @ 10-20 t/ha along with			
		1	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$			
			incorporate with soil for better			
			development.			
	ANIMAL HUSBENDARY					
Pig	All stages	1 N 11	As the weather gets colder, your pigs'			
		LAWNGTLAN	energy requirement will increase, as			
			they need more energy to keep warm.			
		/ SAIHA	Regularly monitor their level of 'fitness'			
			and increase their feed intake to			
		1 1000 M	maintain.			
		R N N				
		Y Y Y	<b>6</b>   P a g e			



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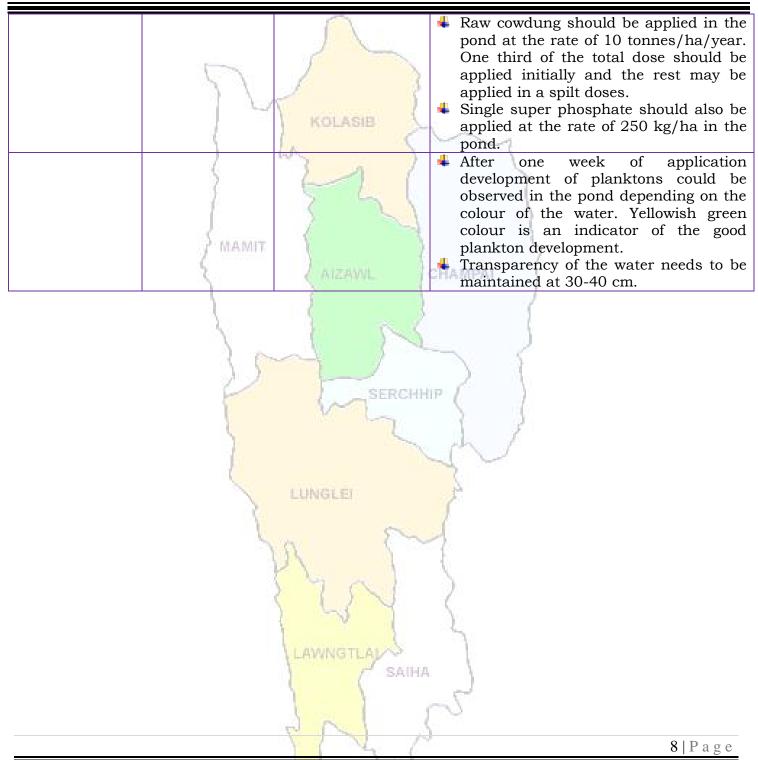
		$\sum$	Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	$\sum$	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	AIZAWL	<ul> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>
Poultry	Litter management		<ul> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>Coccidiosis-</b> Amprolium or coccidiostat
		4-5 <sup>th</sup> Weeks	$4$ Calcium tonic fortified with $B_{12}$
FISHERY		SAIHA	
	Pond preparation	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		1120	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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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

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#### **District:** Lunglei

Bulletin No: - 711/2017/ Bulletin/Mizo	100
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Period: 21 June - 25 June, 2017

#### Date of issue: 20th June, 2017

Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017	
Rainfall (mm)	10	0	3	0	6	
Max Temp (°C)	28	30	30	30	29	
Min Temp (°C)	21	22	22	22	20	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	98	98	98	98	99	
Min RH (%)	66	62	58	74	64	
Wind Speed (KmpH)	3	3	2	2	3	
*Wind Direction	E	E	E	S-E	E	
Northe	rly- N, North-I	Easterly- N-E, Eas	sterly- E, South	-Easterly- S-E,		
		Vesterly- <mark>S-W</mark> , We				
STATUS OF MONSO	OON- April 1-3	0, 2017 (Percent	of deviation fr	om normal in p	arenthesis)	
<b>Aizawl-</b> 384.87mm	Champhai	- 105.48mm	Saiha- 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7n	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm	Mamit-204.87n	nm Serchhip	-411.72mm	
(453.1mm)	(	465.14mm)	(442.80n	nm)	(259.62mm)	
Weather summary	of the past	21 <sup>st</sup> June- 2	5 <sup>th</sup> June. 20	17 chhunga	sik leh sa	
three day	s		dinhmun tu			
Maximum Tem. (°C):2	01 040C 7				i the might	
Minimum Tem. (°C):1		Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A				
Maximum RH (%):99-	1000				0	
Minimum RH (%):91-	0.40/	vawh lai ber in				
Wind Direction: Sout	hoostorly	berin 98-99% le				
Cloud cover: Mainly of	loudy	niin. Thli hi dar				
Wind speed: 2-5 km/	hr i i	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
,	]	hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 41.7 mm						
		Weekl	y cumulative	<mark>rainfall:</mark> 19.0r	nm	
NDVI for Mizoram		North East Region 11 May 2017	Moderately	wet mildly dr	y/mildly wet	
			conditions		,, ,	
			Moder			
		0.3-0.4	1			
			} very G			
		Agriculture vigour is good over most of the parts Northern Triours and Meghalava whereas moderate vigour is noticed	Assam			
		of the region.				
			12		1   Page	
					IIIage	



#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



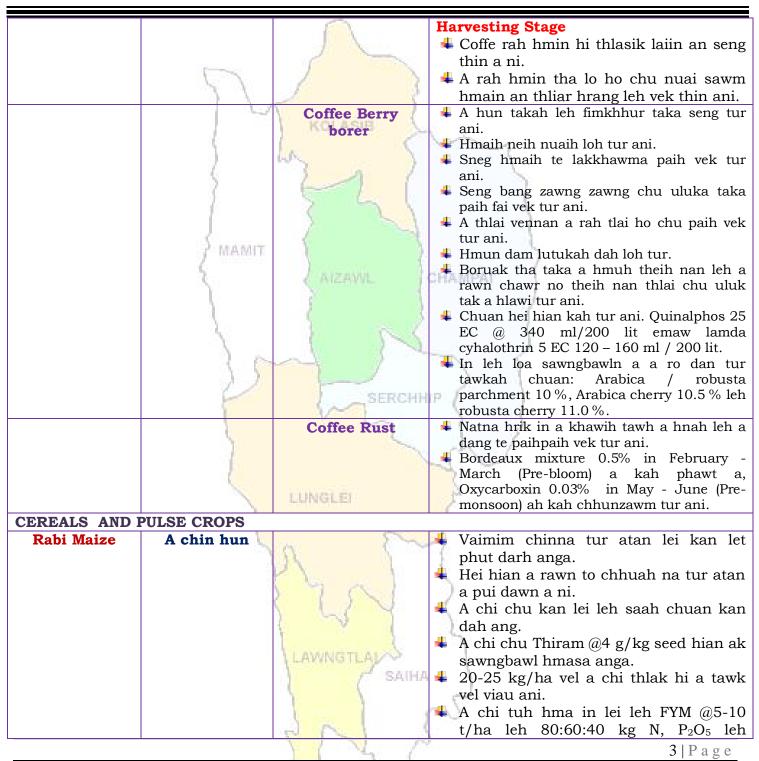
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·			
FRUITS CROPS		1	l			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul			
AND ACID		1 HOLHOID	velah dahkhawm tur ani.			
LIME		La X	4 Thlai naupang deuah chuan chawlh			
	(	3 1 1	kar tin a tui pek thin tur ani.			
BANANA	2		4 Leia tha mamawh tawk a hmuh			
	1	2 5 1	theihna turin a hmunhma a hnim awm			
		2	te thlawhfai thin tur ani.			
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha			
	1 menual	1	taka pek hian a rah tla tur chelh nan			
PLUM AND	2	A AIZAWIL I	leh a rah than that nan te leh a rah			
PEACH		2	keh tur lakah t a veng thei ani.			
РЕАСП		One of the site of	Townsetture being lutule lab becomes uses			
	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 Dieback	a trangah te hnawih tur ani.			
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a			
	1	A REAL	rah tan tirin chawlhkar hnih chhung chu			
		March Long	heng te hian enkawl tur ani: carbaryl 0.2			
	1		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		Lenverser				
COFFEE	All stages		Nursery stage			
		0	+ Thlai chi thlak hma in Azospirillum leh			
	1	N (~~	Phosphobacterium a enkawl tur ani.			
			A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin			
			tlar mumal tak siam in chin tur ani.			
	5	$\langle \langle \rangle \rangle$	<b>4</b> Chuan a chi chu lei tlem te a chhilh a			
		1 - 1	buhpawla khuh tur ani.			
			Nitin tui pek tur ani a, a sat lutuka loh			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		/ SAIHA				
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
L						
	2 Page					



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K <sub>2</sub> O/ha pawlh chu hman ni. Nitrogen dose chanve c hunlaia hman tur a ni a	hu a chi tuh
bang 25% chu thla khat ang a adang leh 25% chu hman tur a ni.	hnu ah ani a par hunah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellowAll stageZero tillage4A than a that theih nan r tui pek thin tur ani.Image: All stage toria, breen gram cultivation in rice fellowAll stage toria, toria, toria, toria, 	; te a veng ve utuk tur ven
Potato       Sowing stage       Muangchang loving alu chu buatsaih vat tur ani.         Hei hian a than hun laiin lakah a veng dawn ani.       Hei hian a than hun laiin lakah a veng dawn ani.         Lei leh hmain a hmun l 	natna hrikin hma chu fai ni. . chu en fiah
Tomato       Bacterial Blight disease       Tomato bikah chuan sil natna an kaina tlang lawn Hmun hnawng leh ni hi hmunah chuan natna an ani.         Tomato bikah chuan sil natna an kaina tlang lawn Hmun hnawng leh ni hi hmunah chuan natna an ani.         Tomato bikah chuan sil natna an kaina tlang lawn Hmun hnawng leh ni hi hmunah chuan natna an ani.         Tomato bikah chuan sil natna an kaina tlang lawn Hmun hnawng leh ni hi hmunah chuan natna an ani.         Tomato hi a uai a, a thih Ridomil emaw Indofil ema @ 2 gm hi tui liter 1 ah tur ani .	ber ani . mu lo lutuk kai hma bik mai loh nan aw Mancozeb
Early Cole crop       Black spot disease       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r tui pek thin tur ani.         LAWNGTLAN       A than a that theih nan r         LAWNGTLAN       A than a that theih nan r	na thlai bula 1 hi tui pek
sa vangin a hnah ah thi	l dum rawn



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Onion and capsicumNursery stagePoly houseand the ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thiai bha a that theih nan nikhat danah tui pek thin tur ani.Thiai bhi awhah dah tur ani.A than a that theih nan nikhat danah tui pek thin tur ani.Thai bilightPhytopthora blightA chi ven that nan thiram 3g/kg seed a tha a that hei ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed a tha a that hei ani.French beanSowing stageA chi ven that nan thiram 3g/kg seed a than a that theih nan tui pek hma a that hat ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek a hnihah hringa khuh tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek a hnihah hringa khuh tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek a hnihah hringa khuh tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hnuah thai bul vawn hnawn na tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hnuah thai bul vawn hnawn na tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hnuah thai bul vawn hnawn na tur ani.	ICAR			
capsicumtui pek tin tur ani.capsicumImage: capsicumImage: capsicum		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageHightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron/) kg seed hi a tha hle aniFrench beanSowing stageIf the taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper pxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.Carrot and radishSowing stageIf the taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper pxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.Carrot and radishSowing stageIf the taka 1% Bordeaux chawhpawh 			The second	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than duna theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.       Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage	LUNGLEI	<ul> <li>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</li> </ul>
T C S		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			PN	

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMAMIT	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
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN /	6   P a g e



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oasea on District wise weather Forecast rece Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	1	U-S WEEK	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	221	<ul> <li>a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium or
	2 MAMIT		coccidiostat
		4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with $B_{12}$
FISHERY	5		CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	7   P a g e



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#### **District: Mamit**

Bulletin No: - 711/2017/ Bulletin/English

Period: 21 June - 25 June, 2017

#### Date of issue: 20th June, 2017 21.06.2017 22.06.2017 23.06.2017 24.06.2017 **Parameters** 25.06.2017 Rainfall (mm) 20 9 9 5 8 Max Temp (°C) 31 31 29 29 29 Min Temp (°C) 22 22 22 2121**Cloud Coverage** Mainly cloudy Mainly cloudy Mainly cloudy Mainly cloudy Mainly cloudy Max RH (%) 96 99 98 98 98 Min RH (%) 73 69 65 64 70 Wind Speed (KmpH) 4 4 4 3 4 **\*Wind Direction** S-E S-E S-E S-E S Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis) Saiha- 307.40 mm Champhai- 105.48mm **Aizawl- 384.87mm** Kolasib- 236.00mm (359.89mm)(507.7mm)(428.1mm)(430.2mm)Lawngtlai-291.20mm Lunglei-326.00mm Mamit-204.87mm Serchhip-411.72mm (442.80mm)(453.1mm)(465.14mm)(259.62mm)Weather forecast valid from 21th June, 2017 To 25th Weather summary of the past three days June, 2017. Maximum Tem. (°C):28-30°C There are chances of moderate to light rainfall during the Minimum Tem. (°C):15-16°C next 5 days. The maximum and minimum temperatures for Maximum RH (%):99-100% the next 5 days may range for 29-31°C and 21-22°C. Minimum RH (%):84-94% Maximum relative humidity is expected in the range of 98-Wind Direction: Southeasterly 99% and minimum may from 64-73%. Wind direction **Cloud cover: Mainly cloudy** would be southeasterly to southerly and southeasterly with Wind speed: 3-5 km/hr the wind speed of 3-4 km per hour. Mainly cloudy sky will prevail during the next five days. Rainfall: 49.3 mm Weekly cumulative rainfall: 51.0 mm **NDVI for Mizoram** Moderately wet mildly dry/mildly wet 11 May 2017 conditions <0.2 bare sol

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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,



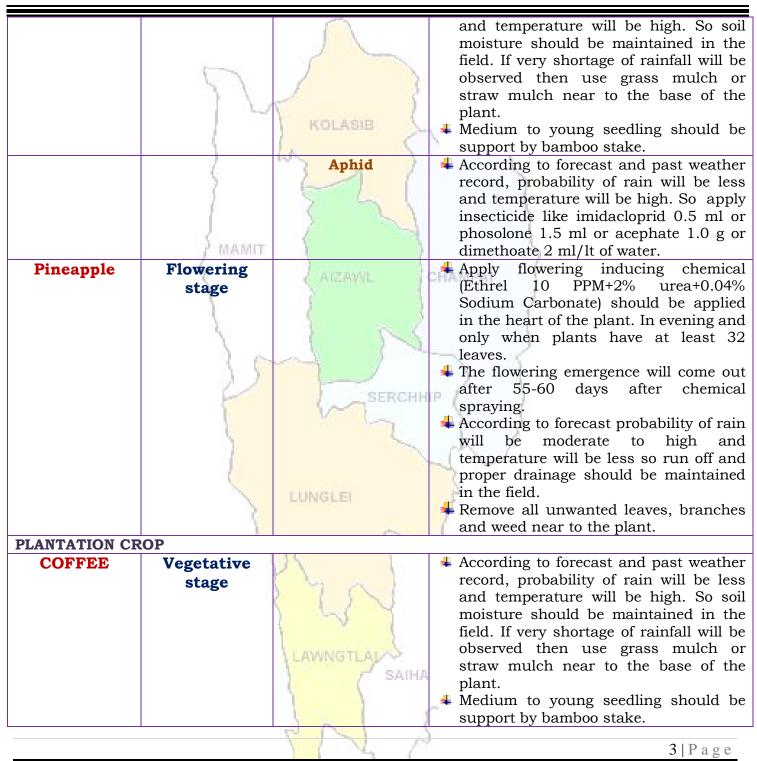
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Stage		
		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	0 11		
KHASI	Seedling	7	According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	I. C	and temperature will be high. So soil moisture should be maintained in the
LIME	/	ws )	
BANANA	5	2 1	field. If very shortage of rainfall will be observed then use grass mulch or
Dimini			straw mulch near to the base of the
			plant.
STAR FRUIT	2	1 3	4 Medium to young seedling should be
STACFROIT	7 MAMIT		support by bamboo stake.
	5	AIZAWL	In the citrus belt, trees can be planted
PLUM AND	- N	CURRENT	at any time; however, spring is the best
PEACH	- N	5	time for container grown plants.
	1	1 10 10 1	<b>4</b> Standard-size trees should be spaced
	1	1 3 3	12 to 25 feet apart and dwarf trees
	) 🍙		should be set 6 to 10 feet apart. The
	3.3		exact distance depends on the variety.
		SERCHH	
		V	the distance.
			Use split dose of fertilizer for normal
			growth and development.
	10	Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
	2	greening,	and temperature will be high. So
	1	Dieback, Lamon	following pest problem will be high <b>Lamon butterfly</b> - Spray monocrotophos
	L.	butterfly and leaf minor	@0.04% @1.2 ml/lt of water.
		minor	<b>Leaf minor-</b> Spray confidor $0.05\%$ (0.5
		Chi and	ml/lit of water) at each flush
		1 1 1	emergence.
		1 41 4	<b>4 Citrus Canker-</b> Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	<b>4</b> Trail semi hard wood stem to bower
	stage	A SAIHA	structure
			• Clean near the base of the plant.
			According to forecast and past weather
			record, probability of rain will be less
			<b>2</b>   D o g o
		1 1	2   P a g e



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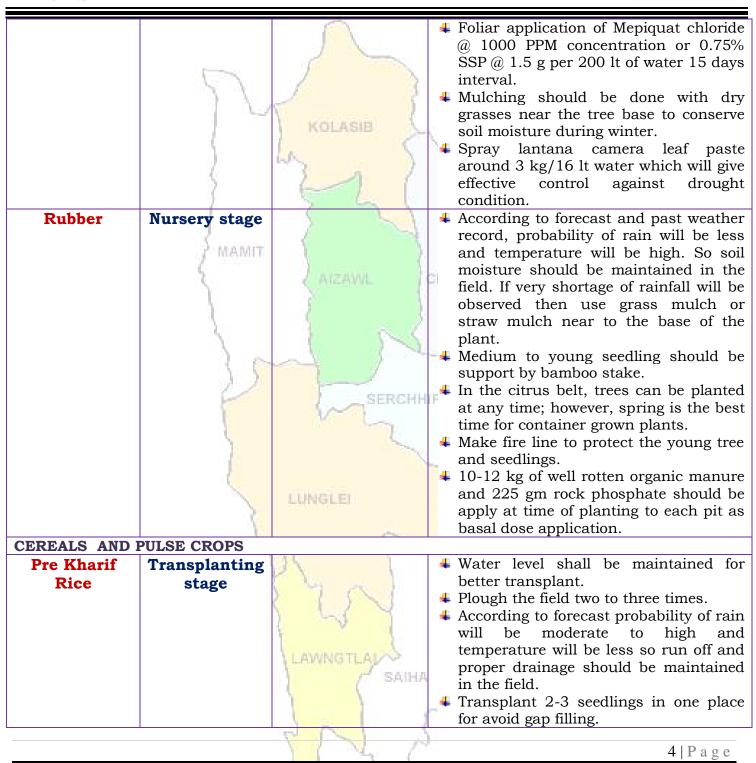




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		N	<ul> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> </ul>			
			♣ Keep some seedlings in nursery or compared of the field for gog filling			
	1 1	Disc thring and	<ul><li>corner of the field for gap filling.</li><li>According to forecast probability of rain will</li></ul>			
	1 10	Rice thrips and	be moderate to high and temperature will			
		rice leaf mites	be less and humidity will high so possibility			
	4		of rice thrips attack will high.			
	1	WS )	Spray Monocrotophos @ 1.5 ml/lt of water			
	2	$\leftarrow$	or Imidachloroprid 1.5 ml/lt of water for effective control.			
Jhum Rice	Germination	2 2 1	According to forecast probability of rain			
	stage		will be moderate to high and			
	AMAMIT	1	temperature will be less so run off and			
	2		proper drainage should be maintained in the field.			
	5	AIZAWIL	Don't use split dose of fertilizer for top			
	5	5	dressing.			
	1	Rice stem borer	According to forecast probability of rain will			
		and leaf folder	be moderate to high and temperature will			
	2. 6	~~ /	be less and humidity will high so possibility			
	1.1		of rice thrips attack will high. Spray Monocrotophos @ 1.5 ml/lt of water			
	P	SERCHH	or Imidachloroprid 1.5 ml/lt of water for			
	1	V~ L_	effective control.			
Maize	Vegetati <mark>ve</mark>	<u> </u>	4 According to forecast probability of rain			
(Jhum)	stage		will be moderate to high and			
			temperature will be less so run off and			
		LUNGLEI	proper drainage should be maintained			
	5		in the field. Don't use split dose of fertilizer for top			
			dressing.			
VEGETABLE CRO	)P					
Cowpea	Vegetative		4 According to forecast probability of rain			
_	stage		will be moderate to high and			
	_	1 W Y	temperature will be less so run off and			
			proper drainage should be maintained			
		LAWNGTLAN	in the field.			
		/ SAIHA	Don't use split dose of fertilizer for top dressing.			
		1	Trail semi hard wood stem to bower			
		Come I III	Structure			
· I						
		NY Y	5   P a g e			



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		0	4 Clean near the base of the plant.
Okra	Vegetative	and American	4 According to forecast probability of rain
	stage		will be moderate to high and
			temperature will be less so run off and
	1 6	1 3	proper drainage should be maintained
	1	V. marine and	in the field.
		KOLASIB	4 Don't use split dose of fertilizer for top
	1	(. C	dressing.
	1	w5 )	4 Trail semi hard wood stem to bower
	S	2 1	structure
	4		4 Clean near the base of the plant.
	1	Okra leafroller	Apply insecticide like imidacloprid 0.5 ml or
			phosolone 1.5 ml or acephate 1.0 g or
	? MAMIT		dimethoate 2 ml/lt of water.
Ginger and	Vegetative	NO SEEMING A	According to forecast probability of rain
turmeric	stage	( AIZAWL )	will be moderate to high and
			temperature will be less so run off and
	(	5	proper drainage should be maintained
	4	1 00	in the field.
	1 2	A CA	📕 Apply well decomposed FYM/ pig
	1.1		manure @ 10-20 t/ha along with
	12		120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	1	SERCHH	incorporate with soil for better
		No log	development.
Colocasia	Vegetative		According to forecast probability of rain
	stage		will be moderate to high and
			temperature will be less so run off and
	1	LUNGLEI	proper drainage should be maintained
	>	the set of the set of the sector	in the field.
	1 Alexandre		Apply well decomposed FYM/ pig
		N 822	manure @ 10-20 t/ha along with
			120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
		Charles M	incorporate with soil for better
			development.
ANIMAL HUSBEN			F • #
Pig	All stages		As the weather gets colder, your pigs'
		LAWNGTLAL	energy requirement will increase, as
		A SAIHA	they need more energy to keep warm.
		1 SAINA	Regularly monitor their level of 'fitness'
			and increase their feed intake to
		1 10gg 1 1	maintain.
		5 N 3	<u>Y</u>
			6   P a g e

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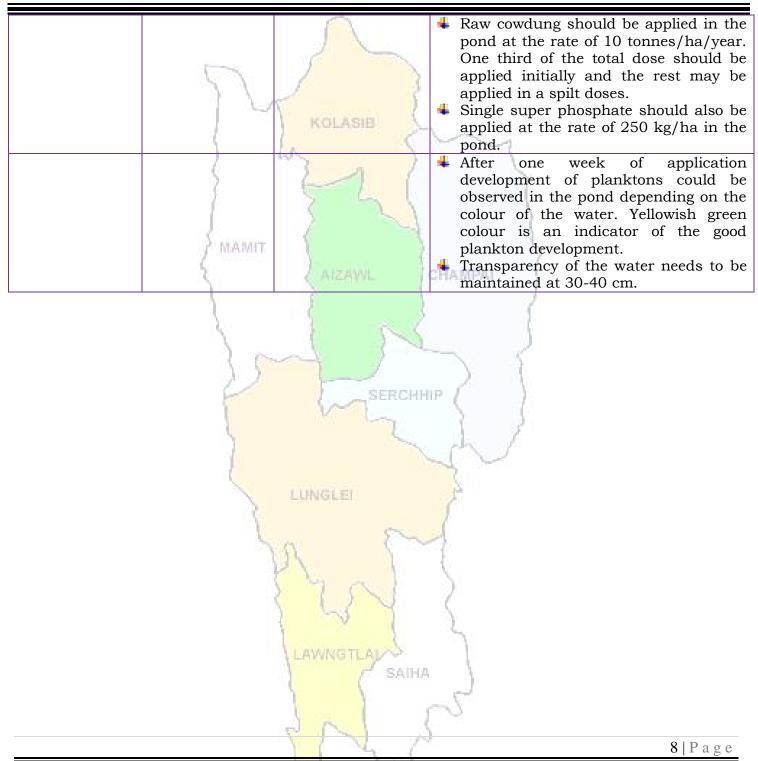
		0	🖊 Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	1 6	Reproductive	
		Respiratory	
		Syndrome	
	1		
	A 1 1/4	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month interval
Cattle			<ul> <li>During either hot or heavy rainy</li> </ul>
Cattle	All age group	1	condition, animal are advised to keep
	7 MAMIT	( )	under shade.
	Contraction of the second s	) a series of the	Vaccination is mandatory for the cattle
		AIZAWIL J	prior to monsoon to protect from
		5	disease like Anthrax, Black Quarter,
	1	5 m 3	Foot Mouth Disease, Duck Plague.
Doulter	Litter	1 186	<ul> <li>Birds require adequate space, sufficient</li> </ul>
Poultry	2 B B B B B B B B B B B B B B B B B B B	AL IN	feed to meet their nutritional
	management		requirements and an adequate supply
	0	SERCHH	
		(man	Good management and sanitation are
			the best ways to avoid infectious
			disease in poultry.
			Provide ample quantity of clean
			drinking water.
		LUNGLEI	Avoid feeding of mouldy feed. Don't
	5		make sudden changes in feed
	Preventive	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6)
	measures	A (~~	$\mathbb{R}^{2}$ days of birth and $\mathbb{R}_{2}\mathbb{B}$ vaccine for adult
			birds.
		Y AL	4 B complex with antibodies
	5	4 <sup>th</sup> weeks	<b>4 Coccidiosis-</b> Amprolium or
			coccidiostat
		4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY		LAWNGTLAL	
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
		J Weeks	in development of plankton which serve
	preparation	Com 1	as natural feed for the fishes.
		Not 1	as natural iccu ior uit nones.
		Y N T	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)



#### **District: Mamit**

Bulletin	<b>No:</b> -	711	/2017	7/	Bulletin	/Mizo	
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**Period:** 21 June – 25 June, 2017

#### Date of issue: 20th June, 2017

Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017
Rainfall (mm)	20	9	9	5	8
Max Temp (°C)	31	31	29	29	29
Min Temp (°C)	21	21	22	22	22
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	98	96	98	99
Min RH (%)	69	65	64	70	73
Wind Speed (KmpH)	4	4	4	3	4
*Wind Direction	S-E	S-E	S-E	S	S-E
Souther	ly- <mark>S</mark> , South-V	Easterly- N-E, Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champha Lunglei-	i- 105.48mm \$ (359.89mm)	of deviation fr Saiha- 307.40 n (507.7r Mamit-204.87n (442.80r	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)
Weather summary		21 <sup>st</sup> June- 2			
three day	s	(	dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):99- Minimum RH (%):84-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 3-5 km/1 Rainfall: 49.3 mm	5-16°C 100% 94% heasterly cloudy	Tun ni 5 chhun tura beisei a ni. vawh lai ber in berin 98-99% le niin. Thli hi dar awi zawngin a tle hian khawthiang Weekl	Khua a lum lai 21-22°C ni tu h a hniam lai kar khatah 3-4 ch rin a ni. A tl g tak hmuh bei	berin 29-31°C ura beisei a ni berin 64-73% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin cin chhaklam i nga chhung
NDVI for Mizoram		North East Region 11 May 2017 14 042 047 14	conditions	wet mildly dr	y/mildly wet
		N N	12		1   P a g e

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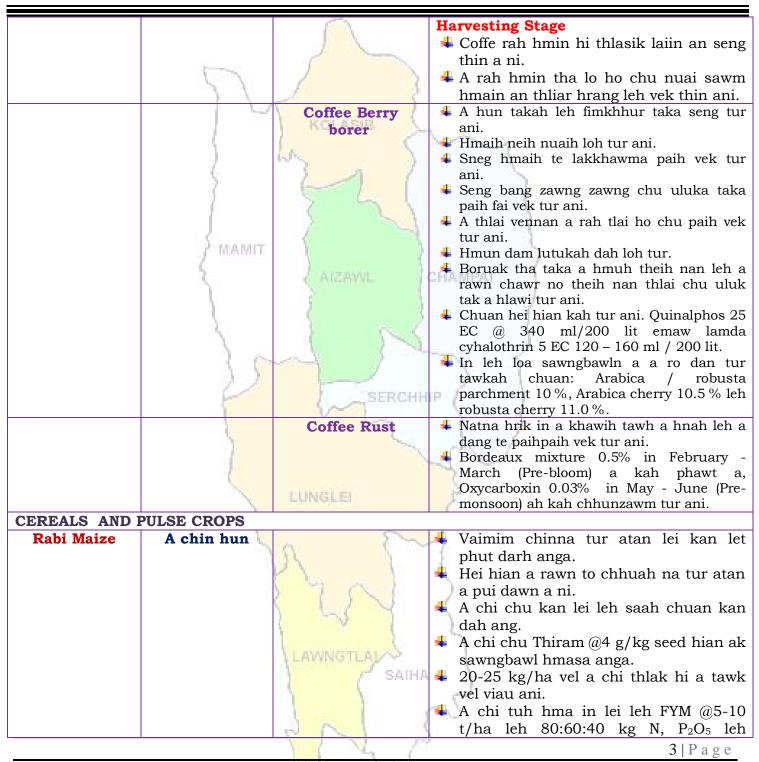
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·			
FRUITS CROPS		1	l			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul			
AND ACID		1 HOLHOID	velah dahkhawm tur ani.			
LIME		La N	4 Thlai naupang deuah chuan chawlh			
	(	3 1	kar tin a tui pek thin tur ani.			
BANANA	7		4 Leia tha mamawh tawk a hmuh			
	1	2 5 5	theihna turin a hmunhma a hnim awm			
		1 21	te thlawhfai thin tur ani.			
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha			
	1 mesina i	1	taka pek hian a rah tla tur chelh nan			
PLUM AND	2	& AIZAWL I	leh a rah than that nan te leh a rah			
PEACH	- N		keh tur lakah t a veng thei ani.			
РЕАСП		One of the other others	Townsetture being lutule lab because uses			
	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 Dieback	a trangah te hnawih tur ani.			
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a			
	1	Constructing Reph	rah tan tirin chawlhkar hnih chhung chu			
		March Long	heng te hian enkawl tur ani: carbaryl 0.2			
	1		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		Lenverser				
COFFEE	All stages		Nursery stage			
	1	0	+ Thlai chi thlak hma in Azospirillum leh			
	1	$\alpha$ (~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>			
		21	zawl/rualrem 1.5 - 2.5 cm a in hlatin			
			tlar mumal tak siam in chin tur ani.			
	5	$\langle \langle \rangle \rangle$	<b>4</b> Chuan a chi chu lei tlem te a chhilh a			
		1 20	buhpawla khuh tur ani.			
			Nitin tui pek tur ani a, a sat lutuka loh			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		/ SAIHA				
			♣ Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
L	1	NO C				
		NN N	2   P a g e			



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



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Onion and capsicumNursery stagePoly houseber ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat dana tui pek thin tur ani.That bul yeawn hnawn nana thlai bul yeawhah dah tur ani.Thlai bul yeawn hnawn nana thlai bul yeawhah dah tur ani.Phytopthora blightPhytopthora blightFrench beanSowing stage4 A chi yen that hean i.Carrot and radishSowing stage4 Tui pek a hnihnah hringa khuh tur a a. t A than a that theih nan nikhat dana tui liter 1 hi 10-15 DAS pek hi a tha hle ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan ni	ICAR			
capsicumtui pek thin tur ani.Image: CapsicumImage: Capsi		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stageImage: Carr			AIZAVIL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stage4A than a that theih nan tui pek hm in lei rin pan hmasak tur ani. 4Carrot and radishSowing stage4A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4A than a that theih nan nikhat dana 		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g</li> <li>(Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh</li> <li>emaw 2 g captan emaw 3 copper</li> <li>oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnav na tur siam tur ani. Zikhlum lam chi ah chuan sik le	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
LAWNGTLAY SAIHA chi reng reng enkawl na		Sowing stage	LAWNGTLAN	<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			5 1 1 3	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	<ul> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>
		PN	<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,

basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	hand {	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	Ł	4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium or coccidiostat
	/ MAMIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	A AIZAWIL I	CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	7   Page



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

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

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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**District: Saiha** 

Period: 21 June - 25 June, 2017

Bulletin No: - 711/2017/ Bulletin/English Date of issue: 20 <sup>th</sup> June, 2017						
	51	1	1			
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017	
Rainfall (mm)	3	0	0	4	0	
Max Temp (°C)	30	30	32	32	28	
Min Temp (°C)	24	24	24	24	24	
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	94	99	99	99	97	
Min RH (%)	71	66	68	78	68	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	E	E	E	S-E	E	
		Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We				
STATUS OF MONSO	• •	•	· · · · ·	<b>~</b>	arenthesis)	
<b>Aizawl-</b> 384.87mm		•	Saiha- 307.40 n	_	236.00mm	
(430.2mm)	-	(359.89mm)	(507.7r	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm l	Mamit-204.87n	nm Serchhip	-411.72mm	
(453.1mm)		( <b>465.14mm</b> )	(442.80r	nm)	(259.62mm)	
Weather summary	of the past	Weather forec	ast valid from	1 21 <sup>th</sup> June, 20	17 To 25 <sup>th</sup>	
three day	s		June, 2	017.		
Maximum Tem. (°C):2	22-24ºC	There are chance	es of light rain	fall during the	next 2 days.	
Minimum Tem. (°C):1		The maximum a	nd minimum	temperatures for	or the next 5	
Maximum RH (%):99-		days may range for 28-32°C and 24°C. Maximum relative				
Minimum RH (%):89-	94%	humidity is expe				
Wind Direction: Sout	heasterly	may from 66-78		0		
Cloud cover: Mainly of		•			•	
Wind speed: 3-4 km/		to easterly to southeasterly and easterly with the wind speed of 2 km per hour. Mainly cloudy sky will prevail				
		during the next f	<b>-</b>	ing cloudy sky	wiii picvaii	
Rainfall: 34.1 mm		uuning the next i	ive days.			
		Weekly	y cumulative	rainfall: 07.0 1	nm	
NDVI for Mizoram		North East Region 11 May 2017	Moderatelv	wet mildly dr	y/mildly wet	
			anditiona	5		
			re soll / w ckground			

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

asea on District wise weather Forecast rece Guwahati)



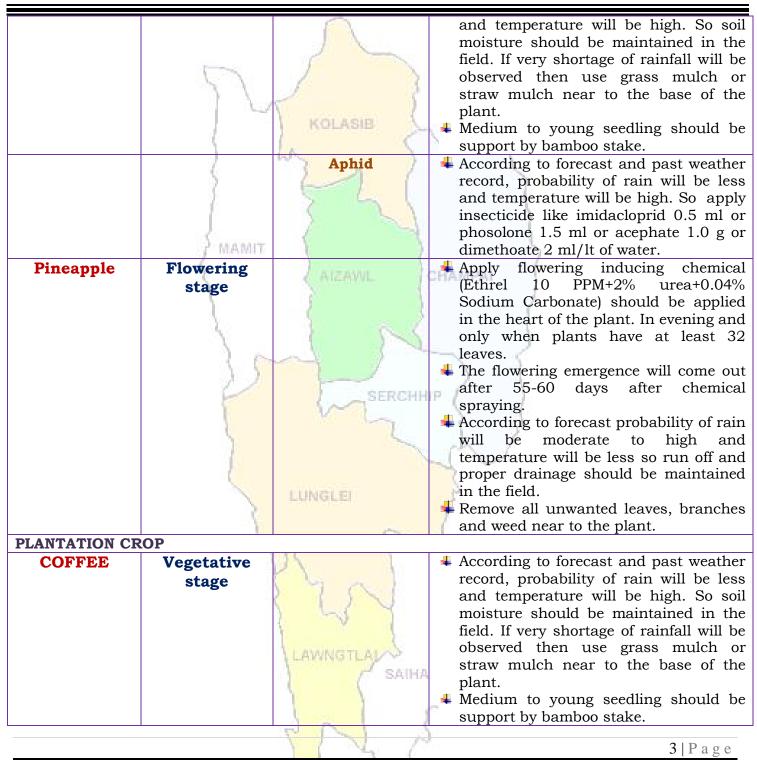
Main O /	04.	014 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	<b>4</b> According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	J	When I	moisture should be maintained in the
	( )	5 1 1	field. If very shortage of rainfall will be
BANANA	(		observed then use grass mulch or
	1	1 6 5	straw mulch near to the base of the
			plant.
STAR FRUIT	> MAMIT		4 Medium to young seedling should be
	2 marine		support by bamboo stake.
PLUM AND	2	A AIZAWL 1	In the citrus belt, trees can be planted
PEACH			at any time; however, spring is the best
РЕАСП		1 1	time for container grown plants.
	4	1 66	Standard-size trees should be spaced
			12 to 25 feet apart and dwarf trees
	1.0		should be set 6 to 10 feet apart. The
	12		exact distance depends on the variety.
	6	SERCHH	
			the distance.
	4		Use split dose of fertilizer for normal
		One of the state o	growth and development.
		Gummosis, citrus Canker, Citrus	According to forecast and past weather record, probability of rain will be less
	1	greening,	and temperature will be high. So
	2	Dieback, Lamon	following pest problem will be high
	1	butterfly and leaf	Lamon butterfly- Spray monocrotophos
		minor	@0.04% @1.2 ml/lt of water.
			<b>Leaf minor-</b> Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		1 7 5	emergence.
			<b>4 Citrus Canker</b> - Apply bacterimycin
		¥ (	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	<b>4</b> Trail semi hard wood stem to bower
	stage	ANNOT LAV	structure
	5	I SAIHA	4 Clean near the base of the plant.
			According to forecast and past weather
		1 22 1 1	record, probability of rain will be less
		2 1 1	
		1 4 /	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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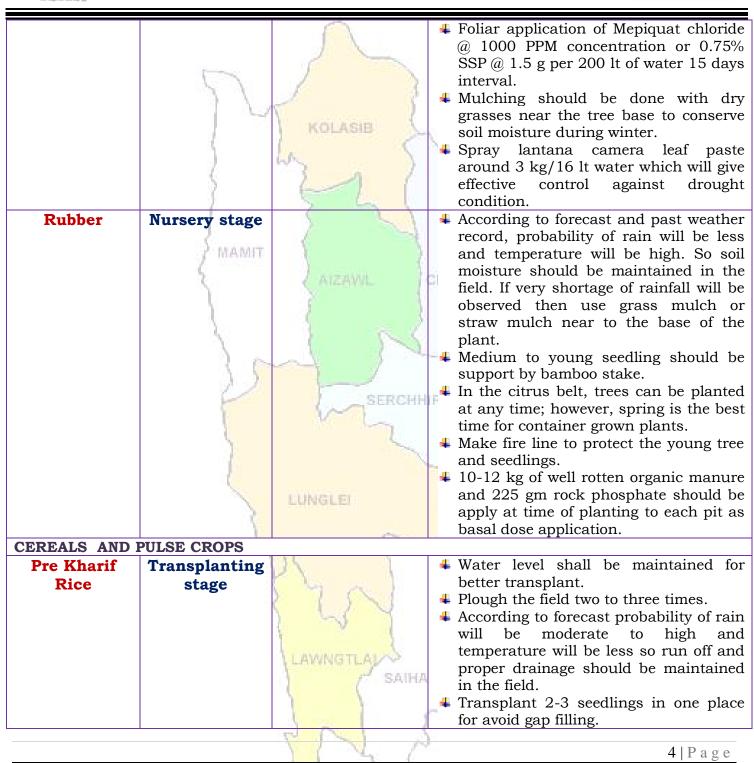




**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM







### ICAR RESEARCH COMPLEX FOR NEH REGION

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	$\sum_{i=1}^{n}$	Rice thrips and rice leaf mites	<ul> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>			
Jhum Rice	Germination stage MAMIT	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>			
	Y	Rice stem borer and leaf folder SERCHH	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>			
Maize ( <i>Jhum</i> )	Vegetative stage		<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>			
<b>VEGETABLE CROI</b>	VEGETABLE CROP					
Cowpea	Vegetative stage	LAWNGTLAU	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> </ul>			
		R 1 1	<b>5</b>   P a g e			



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



		0	4 Clean near the base of the plant.
Okra	Vegetative		4 According to forecast probability of rain
	stage		will be moderate to high and
	S TB		temperature will be less so run off and
	1 1	1 2	proper drainage should be maintained
	10		in the field.
		KOLASIE	Don't use split dose of fertilizer for top
		(	dressing.
		Les S	Trail semi hard wood stem to bower
	(	5 1 1	structure
	1		
			Clean near the base of the plant.
		Okra leafroller	Apply insecticide like imidacloprid 0.5 ml or
	Second and	1	phosolone 1.5 ml or acephate 1.0 g or
	7 MAMIT		dimethoate 2 ml/lt of water.
Ginger and	Vegetative	AIZAWA	According to forecast probability of rain
turmeric	stage	C menue	will be moderate to high and
		5	temperature will be less so run off and
	\	5	proper drainage should be maintained
	1	1 1 1 1	in the field.
	1 2		🚽 Apply well decomposed FYM/ pig
	1.0		manure @ 10-20 t/ha along with
	12		120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
		SERCHH	incorporate with soil for better
			development.
Colocasia	Vegetative		According to forecast probability of rain
	stage		will be moderate to high and
	Stuge		temperature will be less so run off and
		11111111111111111111111111111111111111	proper drainage should be maintained
		LUNGLEI	in the field.
	1		Apply well decomposed FYM/ pig
		5	manure @ 10-20 t/ha along with
	2	A 8 ~	$120:80:60$ kg N, $P_2O_5$ and $K_2O/ha$
			incorporate with soil for better
			development.
ANIMAL HUSBEN			
			<b>4</b> As the weather gets colder, your pigs
Pig	All stages		energy requirement will increase, as
		LAWNGTLAN	they need more energy to keep warm.
		/ SAIHA	Regularly monitor their level of 'fitness'
			and increase their feed intake to
			maintain.
		N IN	
		1 4 6	6   P a g e



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



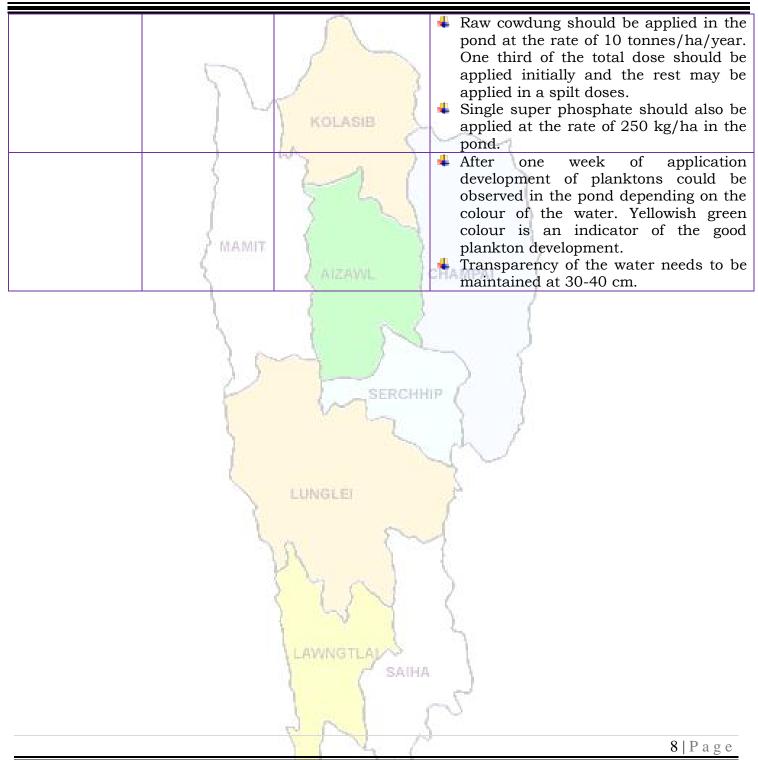
	Free and	$\wedge$	Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	$\sum$	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	AIZAVIL	<ul> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>
Poultry	Litter management		<ul> <li>Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- F1 vaccine at (1-6 days of birth and R<sub>2</sub>B vaccine for adul birds.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>Coccidiosis-</b> Amprolium or coccidiostat
		4-5 <sup>th</sup> Weeks	$4$ Calcium tonic fortified with $B_{12}$
FISHERY		SAIHA	
	Pond preparation	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		127	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,

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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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Period: 21 June - 25 June, 2017

#### **District: Saiha**

Bulletin No: - 711/2	Bulletin No: - 711/2017/ Bulletin/Mizo Date of issue: 20th June, 2017						
	21	1	1				
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017		
Rainfall (mm)	3	0	0	4	0		
Max Temp (°C)	30	30	32	32	28		
Min Temp (°C)	24	24	24	24	24		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	94	99	99	99	97		
Min RH (%)	71	66	68	78	68		
Wind Speed (KmpH)	2	2	2	2	2		
*Wind Direction	E	E	E	S-E	E		
			asterly- <mark>E</mark> , Sout				
				h-westerly- N-W			
STATUS OF MONSO							
Aizawl- 384.87mm	· · · · · · · · · · · · · · · · · · ·	- 105.48mm	Saiha- 307.40		- 236.00mm		
(430.2mm)		(359.89mm) (507.7mm) (428.1mm)					
Lawngtlai-291.20mm		i-326.00mm Mamit-204.87mm Serchhip-411.72mm					
(453.1mm)		(465.14mm)	(442.80		(259.62mm)		
Weather summary	· · · · · · · · · · · · · · · · · · ·						
three day	S	dinhmun tur tlangpui					
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):99- Minimum RH (%):89- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 3-4 km/ Rainfall: 34.1 mm	3-14°C 100% 94% heasterly cloudy	Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-32°C a ni ang a. A vawh lai ber in 24°C ni tura beisei a ni. RH san lai berin of 94-99% leh a hniam lai berin 66-78% ni tur a rin niin. Thli hi darkar khatah 2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. <b>Weekly cumulative rainfall: 07.0mm</b>					
NDVI for Mizoram		North East Region 11 May		v wet mildly di	ry/mildly wet		

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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,



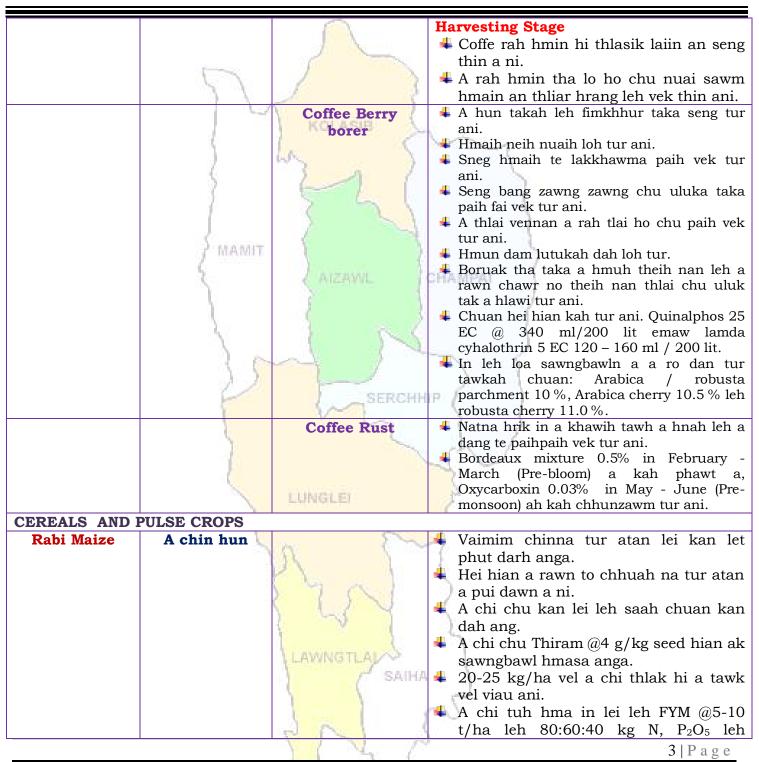
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·		
FRUITS CROPS		1	l		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 HOLHOID	velah dahkhawm tur ani.		
LIME		La N	4 Thlai naupang deuah chuan chawlh		
	(	3 1	kar tin a tui pek thin tur ani.		
BANANA	7		4 Leia tha mamawh tawk a hmuh		
	1	2 5 5	theihna turin a hmunhma a hnim awm		
		1 21	te thlawhfai thin tur ani.		
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha		
	1 mesina i	1	taka pek hian a rah tla tur chelh nan		
PLUM AND	2	& AIZAWL I	leh a rah than that nan te leh a rah		
PEOM AND		2	keh tur lakah t a veng thei ani.		
РЕАСП		One of the other others	Townsetture being lutule lab becomes uses		
	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 Dieback	a trangah te hnawih tur ani.		
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a		
	1	Constructing Reph	rah tan tirin chawlhkar hnih chhung chu		
		V Ca	heng te hian enkawl tur ani: carbaryl 0.2		
	1		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR		Lenverser			
COFFEE	All stages		Nursery stage		
	1	0	+ Thlai chi thlak hma in Azospirillum leh		
	1	$\alpha$ (~	Phosphobacterium a enkawl tur ani.		
			A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		( A A	tlar mumal tak siam in chin tur ani.		
		$\langle \rangle \rangle$	<b>4</b> Chuan a chi chu lei tlem te a chhilh a		
		1 20	buhpawla khuh tur ani.		
			Nitin tui pek tur ani a, a sat lutuka loh		
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur		
		/ SAIHA			
			$\stackrel{\text{density}}{=}$ Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
ı		NO NO			
		NN N	2   P a g e		



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

Mizoram Centre, Kolasib- 796081, MIZORAM







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



	5	$\sum$	K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	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	LAWINGTLAL	<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 P	4   P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



Onion and capsicumNursery stagePoly house*Thlai hna lam chi leh zikhlum lam chi reng reng enkawi nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly house**A than a that theih nan nikhat danah tui pek thin tur ani.MAMITMAMITAttam a that theih nan nikhat danah tui pek thin tur ani.*A than a that theih nan nikhat danah tui pek thin tur ani.Phytopthora blightPhytopthora blight*A than a that theih nan thiram 3g/kg seed emaw Trichoderma vinde 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.French beanSowing stage**A than a that theih nan tui pek hanih hringa khuh tur ani a. than a that theih nan tui pek hanih hringa khuh tur ani a. than a that theih nan tui pek hanih na hiram 3g/kg seed maxing tur ani.Carrot and radishSowing stage**A than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stage**A than a that theih nan nikhat danah tui pek hanah hringa khuh tur ani.Carrot and radishSowing stage**A than a that hai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage**A than a that theih nan nikhat danah tui pek hanah ah thil dum a rawn awm thina, hei hi natna tanglawn ber ani.*A than a that theih nan chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	ICAR			
capsicumtui pek thin tur ani.capsicumImage: capsicumImage: capsicum <th></th> <th>5</th> <th>KOLASIB</th> <th>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</th>		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageHightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron/) kg seed hi a tha hle aniFrench beanSowing stageIf the taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper pxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.Carrot and radishSowing stageIf the taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper pxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.Carrot and radishSowing stageIf the taka 1% Bordeaux chawhpawh 			The second	<ul> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.       Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		<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</li> </ul>
The second secon		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			PN	5   P a g e

5 | P a g e



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

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

basea on District wise weather Forecast receit Guwahati)



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	AMAMIT	Reproductive Respiratory Syndrome (PRRS).	снамрат
	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	<ul> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>
		FN7	6   P a g e



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	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	La l	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	A MAMIT	4 <sup>th</sup> weeks 4-5 <sup>th</sup> Weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>
FISHERY			CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	Z	LUNGLEI	<ul> <li>Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	~5
		Y Y P	7   P a g e



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

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



### **District:** Serchhip

Bulletin No: - 711/2017/ Bulletin/English

Period: 21 June – 25 June, 2017

Date of issue: 20th June, 2017

	51	1 Contraction of the second se	1		
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017
Rainfall (mm)	3	4	4	4	8
Max Temp (°C)	30	30	28	28	29
Min Temp (°C)	20	20	21	21	20
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	65	61	56	81	69
Wind Speed (KmpH)	2	2	2	0	2
*Wind Direction	E	E	E	S	E
Souther	rly- <mark>S</mark> , South-W	Easterly- <mark>N-E</mark> , Eas /esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO	-	•	• •	-	
Aizawl- 384.87mm	· · · · · · · · · · · · · · · · · · ·		Saiha- 307.40 n		236.00mm
(430.2mm)		359.89mm)	(507.7r	•	(428.1mm)
Lawngtlai-291.20mm			Mamit-204.87n	-	-411.72mm
(453.1mm)	<b>\</b>	465.14mm)	(442.80r		(259.62mm)
Weather summary		Weather forec		21 <sup>th</sup> June, 20	17 To 25 <sup>th</sup>
three day			June, 2		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):90- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 3-4 km/ Rainfall: 41.9 mm	4-16°C 99% 94% heasterly cloudy /hr	There are chance The maximum a lays may rang relative humidity minimum may southerly to eas wind speed of 0 prevail during th	nd minimum e for 28-30% y is expected from 56-81%. sterly to south )-2 km per ho e next five day	temperatures for C and 20-21°C in the range of Wind direction herly and easter our. Mainly clo s.	or the next 5 C. Maximum of 100% and on would be erly with the udy sky will
		-		rainfall: 23.0 1	
NDVI for Mizoram		North East Region 11 May 2017	conditions Autor J Model J Way G J Way G	wet mildly dr	y/mildly wet
		r N	2		1   P a g e

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

a on District wise weather Forecast rec Guwahati)



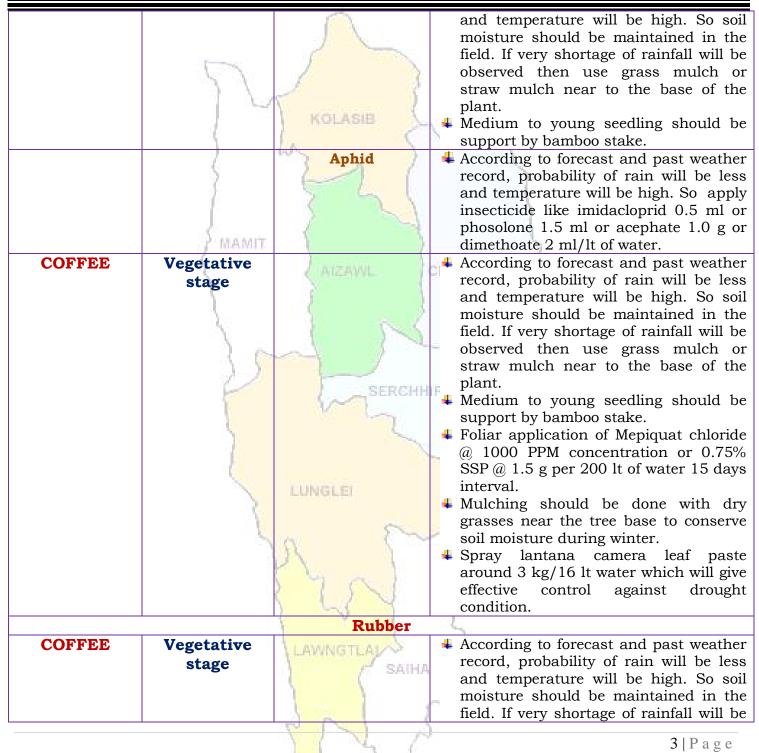
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	<b>4</b> According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	C ALLER C	and temperature will be high. So soil
LIME	ŭ	LA N	moisture should be maintained in the
	6	5 1 1	field. If very shortage of rainfall will be
BANANA	(		observed then use grass mulch or
	fr fr	1 5 5	straw mulch near to the base of the
			plant.
STAR FRUIT	> MAMIT		4 Medium to young seedling should be
	2		support by bamboo stake.
PLUM AND	1	( AIZAWL )	4 In the citrus belt, trees can be planted
PEACH	1		at any time; however, spring is the best
I EACH	1	1 ( 3	time for container grown plants.
	4	1 1	<b>4</b> Standard-size trees should be spaced
	1	1 3 2	12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The
	A 5		exact distance depends on the variety.
	02	SERCHH	
	1	12 SERCHI	the distance.
		The start	4 Use split dose of fertilizer for normal
	1		growth and development.
		Gummosis, citrus	4 According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		LU greening,	and temperature will be high. So
	5	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	<b>Lamon butterfly</b> - Spray monocrotophos
	1	minor 🔪 🟹	@0.04% @1.2 ml/lt of water.
			<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		1 7 C	ml/lit of water) at each flush
			emergence.
			<b>Citrus Canker</b> - Apply bacterimycin
Passion Fruit	Vogetative		@0.6 g/lt of water. Trail semi hard wood stem to bower
rassion finit	Vegetative stage	LAWNGTLAK	atmiating
	sidge	/ SAIHA	Clean near the base of the plant.
			According to forecast and past weather
		Const 1	record, probability of rain will be less
		R C	
		Y N P	2   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



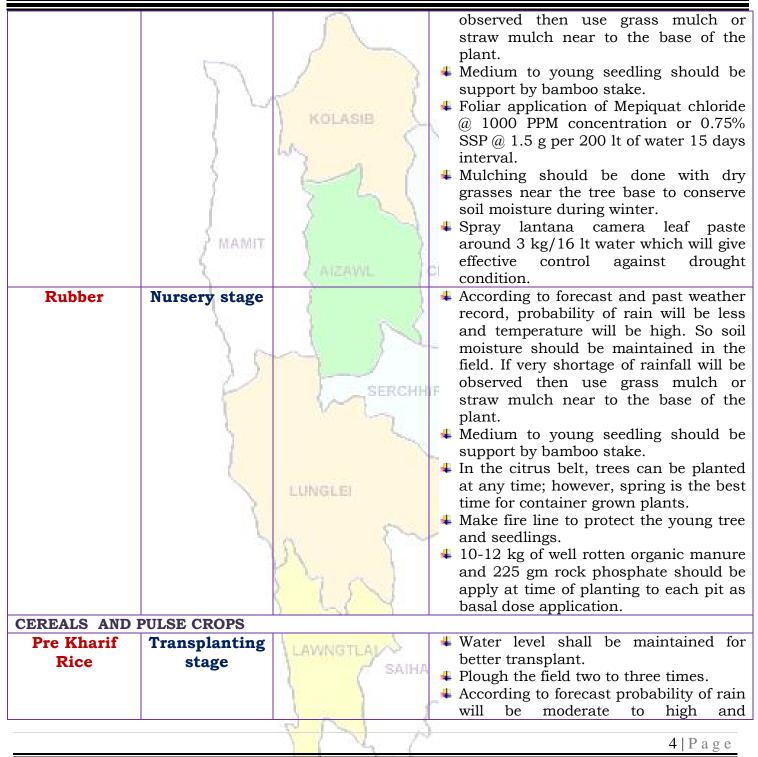




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		0		temperature will be less so run off and
				proper drainage should be maintained
				in the field.
			4	Transplant 2-3 seedlings in one place
	11	1		for avoid gap filling.
	1 10		_	Spacing should be 20 cm row to row
		KOLASIB		and 15 cm plant to plant.
	1	1	Ν.	
		WA N	-	Keep some seedlings in nursery or
				corner of the field for gap filling.
	1	<b>Rice thrips and</b>	-	According to forecast probability of rain will
	1	rice leaf mites		be moderate to high and temperature will be less and humidity will high so possibility
				of rice thrips attack will high.
	C.		_	Spray Monocrotophos @ 1.5 ml/lt of water
	7 MAMIT	1 2		or Imidachloroprid 1.5 ml/lt of water for
	5	A IZAWI		effective control.
Jhum Rice	Germination	A CONTRACTOR OF A CONTRACTOR OFO A CONTRACTOR OFO A CONTRACTOR OFO A CONTRACTO	- -	According to forecast probability of rain
	stage	5		will be moderate to high and
	Stage			temperature will be less so run off and
	1			proper drainage should be maintained
	) 🔊	~ 1 5 ~	-	in the field.
	1.5		-	Don't use split dose of fertilizer for top
	0	SERCHH		dressing.
		Rice stem borer	4	According to forecast probability of rain will
		and leaf folder		be moderate to high and temperature will
	1	and lear iolder		be less and humidity will high so possibility
				of rice thrips attack will high.
			Ĩ <b>4</b>	Spray Monocrotophos @ 1.5 ml/lt of water
		LUNGLEI		or Imidachloroprid 1.5 ml/lt of water for
	<u> </u>	THE REPORT		effective control.
Maize	Vegetative		4	According to forecast probability of rain
(Jhum)	stage 👆	a 2~	-	will be moderate to high and
		1		temperature will be less so run off and
				proper drainage should be maintained
				in the field.
		Y W Y	-	Don't use split dose of fertilizer for top
				dressing.
VEGETABLE CRO				
Cowpea	Vegetative	L'HANNOILAY ~	-	According to forecast probability of rain
	stage	/ SAIHA		will be moderate to high and
	-			temperature will be less so run off and
		1 (car 1)	C.	proper drainage should be maintained
		P N M	<u>.</u>	
		I Y I		5   P a g e



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		5	in the field.
			<b>4</b> Don't use split dose of fertilizer for top
			dressing.
			Trail semi hard wood stem to bower
	1 1	5	structure
	1 102	5	
01	TT	KOLASIB	Clean near the base of the plant.
Okra	Vegetative	1	According to forecast probability of rain
	stage	LA N	will be moderate to high and
	6	3 0 /	temperature will be less so run off and
	7		proper drainage should be maintained
	1	2 5	in the field.
		1 21	<b>4</b> Don't use split dose of fertilizer for top
	E.		dressing.
	7 MAMIT	1	4 Trail semi hard wood stem to bower
	5	La comana de	structure
	- S	A AIZAWIL	4 Clean near the base of the plant.
		Okra leafroller	Apply insecticide like imidacloprid 0.5 ml or
	1	5	phosolone 1.5 ml or acephate 1.0 g or
	<u>\</u>	1 00	dimethoate 2 ml/lt of water.
Ginger and	Vegetative	~ 1 5 ~	According to forecast probability of rain
turmeric	stage		will be moderate to high and
	12	C C C C C C C C C C C C C C C C C C C	temperature will be less so run off and
		SERCHH	proper dramage should be maintained
		No. Com	in the field.
	1		Apply well decomposed FYM/ pig
			manure @ 10-20 t/ha along with
	1		$\sim$ 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha
	1	LUNGLEI	incorporate with soil for better
		HALL MEETING	development.
Colocasia	Vegetative		According to forecast probability of rain
	stage	N 12	will be moderate to high and
	<b>U</b>		temperature will be less so run off and
			proper drainage should be maintained
			in the field.
		1 Li Y	Apply well decomposed FYM/ pig
			manure @ 10-20 t/ha along with
		A company and the	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
		LAWNGTLAK	incorporate with soil for better
		/ SAIHA	development.
ANIMAL HUSBEN	IDARY		
Pig	All stages	1000	As the weather gets colder, your pigs
		5 1 J	)
		1 4 (	6   P a g e



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	N	KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> <li>Culling of positive pigs or piglets.</li> </ul>
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	SERCHH	<ul> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>
Poultry	Litter management		<ul> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul>
	Preventive measures		<b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R <sub>2</sub> B vaccine for adult birds.
		4 <sup>th</sup> weeks	<ul> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
		FNT	<b>7</b>   P a g e



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		4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY			
	Pond preparation	3 <sup>rd</sup> -4 <sup>th</sup> weeks	<ul> <li>Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.</li> <li>Raw cowdung should be applied in the</li> </ul>
	AMAMIT	KOLASIB	<ul> <li>pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.</li> <li>Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.</li> </ul>
	35	AIZAWL	<ul> <li>After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development.</li> <li>Transparency of the water needs to be maintained at 30-40 cm.</li> </ul>
		LUNGLEI	
		LAWNGTLAN	2
		VIL A	8   P a g e



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Guwahati)



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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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Period: 21 June - 25 June, 2017

### **District:** Serchhip

<b>Bulletin No:</b> - 711/2	017/ Bulletin	in/Mizo Date of issue: 20 <sup>th</sup> June, 2017			
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017
Rainfall (mm)	3	4	4	4	8
Max Temp (°C)	30	30	28	28	29
Min Temp (°C)	20	20	21	21	20
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	100
Min RH (%)	65	61	56	81	69
Wind Speed (KmpH)	2	2	2	0	2
*Wind Direction	E	E	E	S	E
		Casterly- <mark>N-E</mark> , Eas Testerly- <mark>S-W</mark> , We			
STATUS OF MONSO					
Aizawl- 384.87mm			Saiha- 307.40 n		b- 236.00mm
(430.2mm)	· · · · · · · · · · · · · · · · · · ·	359.89mm)	(507.7r		(428.1mm)
Lawngtlai-291.20mm	•		Mamit-204.87n		ip-411.72mm
(453.1mm)		465.14mm)	(442.80r		(259.62mm)
Weather summary	of the past	21 <sup>st</sup> June- 2	5 <sup>th</sup> June, 20	17 chhunga	sik leh sa
three day			dinhmun tu		
Maximum Tem. (°C):22-25°C Minimum Tem. (°C):14-16°C Maximum RH (%):98-99% Minimum RH (%):90-94% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr Rainfall: 41.9 mm		Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A vawh lai ber in 20-21°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 56-81% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. <i>Weekly cumulative rainfall:</i> 23.0mm			
NDVI for Mizoram	\$	North East Region 11 May 2017 1 May 2017	conditions Arrows J Mone J Ways G J Ways G	wet mildly d	lry/mildly wet

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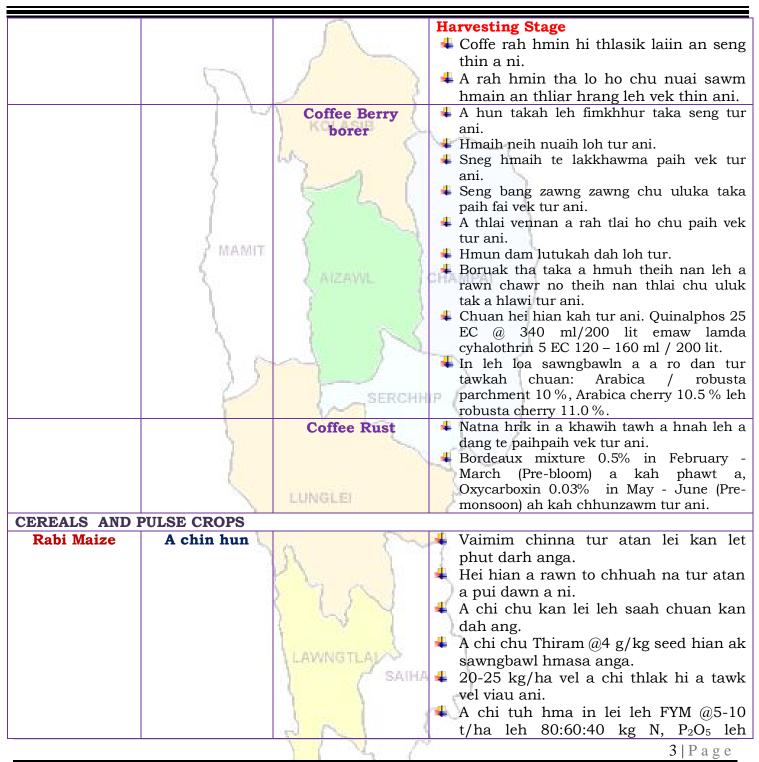
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·		
FRUITS CROPS		1	l		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 HOLHOID	velah dahkhawm tur ani.		
LIME		La X	4 Thlai naupang deuah chuan chawlh		
	(	3 1 1	kar tin a tui pek thin tur ani.		
BANANA	2		4 Leia tha mamawh tawk a hmuh		
	1	2 5 1	theihna turin a hmunhma a hnim awm		
		2	te thlawhfai thin tur ani.		
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha		
	1 menual	1	taka pek hian a rah tla tur chelh nan		
PLUM AND	2	A AIZAWIL I	leh a rah than that nan te leh a rah		
PEACH		2	keh tur lakah t a veng thei ani.		
РЕАСП		One of the other other other	Townsetture being lutule lab because uses		
	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 Dieback	a trangah te hnawih tur ani.		
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a		
	1	A REAL	rah tan tirin chawlhkar hnih chhung chu		
		March Long	heng te hian enkawl tur ani: carbaryl 0.2		
	1		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR		Lenverser			
COFFEE	All stages		Nursery stage		
		0	+ 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>		
		DN 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin		
			tlar mumal tak siam in chin tur ani.		
	5	$\langle \langle \rangle \rangle$	<b>4</b> Chuan a chi chu lei tlem te a chhilh a		
		1 - 1	buhpawla khuh tur ani.		
			Nitin tui pek tur ani a, a sat lutuka loh		
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur		
		/ SAIHA			
			♣ Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
		VIV /	2   P a g e		



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K <sub>2</sub> O/ha pawlh chu h ni. Nitrogen dose cha	
hunlaia hman tur a bang 25% chu thla ang a adang leh 25% hman tur a ni.	ni a, tichuan a khat hnu ah ani chu a par hunah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellowAll stageZero tillageA than a that theih in tui pek thin tur ani.Zero tillage tui pek thin tur ani.Image: Comparison of the state of th	kung te a veng ve pro lutuk tur ven
Potato       Sowing stage       Muangchang loving chu buatsaih vat tur         Hei hian a than hun lakah a veng dawn at       Lei leh hmain a hn taka thlawh hmasak         A chi thlak hma in hmasak tur ani.       A than a that theih n tui pek thin tur ani.         VEGETABLE CROP       VEGETABLE CROP	ani. laiin natna hrikin ni. nun hma chu fai tur ani. a chi chu en fiah
Tomato       Bacterial Blight disease       Tomato bikah chua natna an kaina tlang         LUNGLEI       Image: Choir and the second se	lawn ber ani . ni hmu lo lutuk a an kai hma bik thih mai loh nan l emaw Mancozeb
Early Cole crop       Black spot disease       A than a that theih is tui pek thin tur ani.         AwnoTLA       A than a that theih is tui pek thin tur ani.         AwnoTLA       Thlai bul vawn hnaw hnim ring vawm kh zawhah dah tur ani.	yn nana thlai bula
sa vangin a hnah a	h thil dum rawn



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Onion and capsicumNursery stagePoly houseThiai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thiai bina stagePoly houseThiai bina a that theih nan nikhat danah tui pek thin tur ani.Phytopthora blightPhytopthora blightThiai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha He ani.French beanSowing stagePhytopthora blightA chi ven that nan thirag khuh tur ani a. than a that theih nan tui pek hina tur ani.Carrot and radishSowing stageTui pek a hnihnah hringa khuh tur ani.LawNGTLOANLawNGTLOANA than a that theih nan nikhat danah tui pek thin tur ani.LawNGTLOANLawNGTLOANThiai hna lam chi leh zikhlum lam chi reng reng enkawl nan	ICAR			
capsicum       Image: Construction of the second seco		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightblightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 Than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and 			The second	<ul> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.       Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi reng reng enkawl nan chi reng reng enkawl nan chi leh zikhlum lam chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi leh zikhlum lam chi leh zikhlum lam chi reng reng enkawl nan chi leh zikhlum lam chi leh zi	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</li> </ul>
		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
5 Page			PA 2	



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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	<ul> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>
		PN	<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,

basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	hand {	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	Ł	4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium or coccidiostat
	/ MAMIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	A AIZAWIL I	CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	7   Page



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



**District:** Aizawl

Bulletin No: - 711/2017/ Bulletin/English

**Period:** 21 June – 25 June, 2017

### Date of issue: 20th June, 2017

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P				
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017	
Rainfall (mm)	20	9	9	6	13	
Max Temp (°C)	29	29	28	28	29	
Min Temp (°C)	12	13	13	13	13	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	99	98	99	99	
Min RH (%)	69	62	66	78	77	
Wind Speed (KmpH)	3	3	2	2	3	
*Wind Direction	S-E	S-E	E	S-E	S-E	
Souther	ly- <mark>S</mark> , South-W	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	aronth opio)	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	- 105.48mm \$ (359.89mm)	of aeviation fr Saiha- 307.40 n (507.7r Mamit-204.87n (442.80r	nm Kolasib- nm) nm Serchhip	236.00mm (428.1mm) 0-411.72mm (259.62mm)	
Weather summary			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
three day	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 21 <sup>th</sup> June, 2017 To 25 <sup>th</sup> June, 2017.				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):85- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-4 km/ Rainfall: 68.3 mm	2-25°C 7 4-16°C 1 100% 7 95% 1 heasterly 7 cloudy 7 hr 1	There are chance next 5 days. The the next 5 da Maximum relative 99% and minin would be southe the wind speed prevail during the	es of moderate maximum and ys may rang ze humidity is num may from easterly to east of 2-3 km pe te next five day	e to light rainfa l minimum tem e for 28-29°C expected in the m 62-78%. Wi cerly and south er hour. Mainly	peratures for and 13°C. range of 98- nd direction easterly with cloudy will	
NDVI Con Minores						
NDVI for Mizoram		North East Region 11 May	Conditions	wet mildly dr	y/mnaiy wet	
		VIV.	13		1   Page	



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



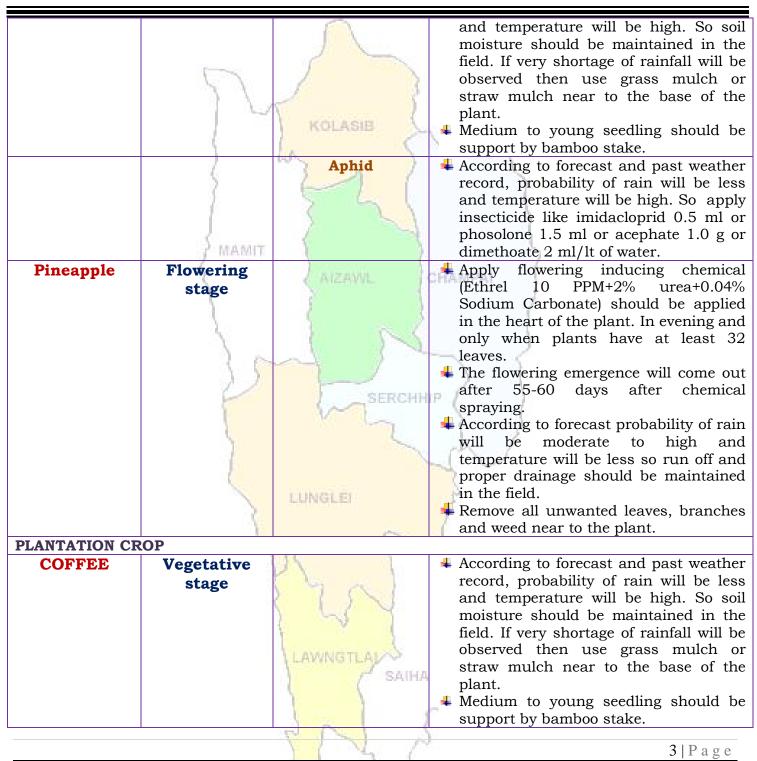
	<b>A</b> 1		
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	J	WA ST	moisture should be maintained in the
	(	1 1	field. If very shortage of rainfall will be
BANANA	(		observed then use grass mulch or
	1		straw mulch near to the base of the
			plant.
STAR FRUIT	AMAMIT	1	4 Medium to young seedling should be
	C ALL ALL ALL ALL ALL ALL ALL ALL ALL AL		support by bamboo stake.
PLUM AND	1	( AIZAVIL )	↓ In the citrus belt, trees can be planted
PEACH			at any time; however, spring is the best time for container grown plants.
		5	Standard-size trees should be spaced
	5	1 546	12 to 25 feet apart and dwarf trees
	) &		should be set 6 to 10 feet apart. The
	A 5		exact distance depends on the variety.
	0	SERCHH	
		~	the distance.
		and weather	<b>4</b> Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	4 According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	1	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	<b>Lamon butterfly</b> - Spray monocrotophos @0.04% @1.2 ml/lt of water.
		minor	Leaf minor- Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		1215	emergence.
		1 Li Y	<b>Citrus Canker-</b> Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	<b>4</b> Trail semi hard wood stem to bower
	stage	A SAIHA	structure
	-	I ( SAINA	4 Clean near the base of the plant.
			4 According to forecast and past weather
		1 12 1	record, probability of rain will be less
		N 1 1 7	
		1 4 6	2   P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM



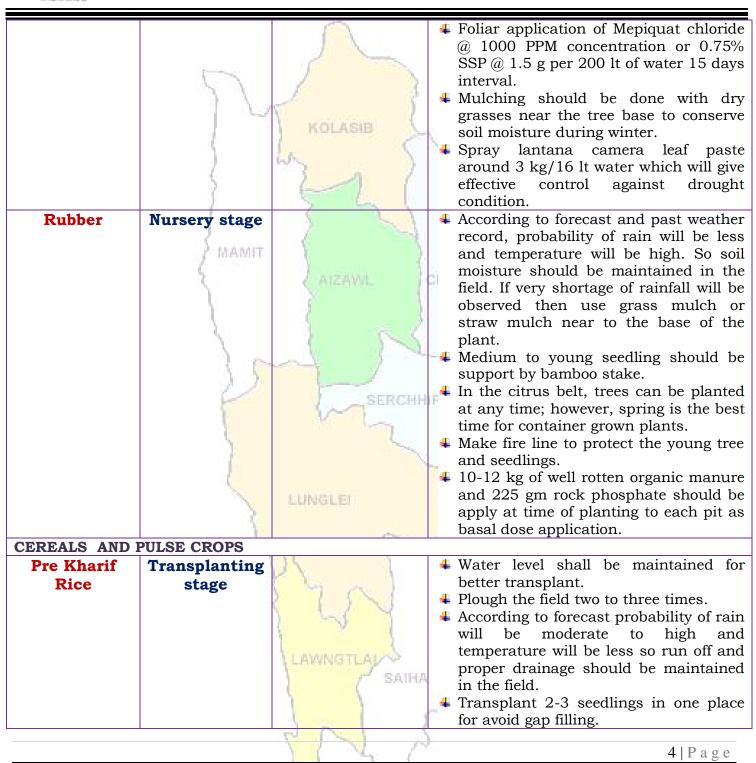




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#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM



		$\wedge$	<ul> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or</li> </ul>
	13	1	corner of the field for gap filling.
	1 1	<b>Rice thrips and</b>	According to forecast probability of rain will
		rice leaf mites	be moderate to high and temperature will
		MULASIB	be less and humidity will high so possibility of rice thrips attack will high.
	1	Lo. X	Spray Monocrotophos @ 1.5 ml/lt of water
	6	3 0 1	or Imidachloroprid 1.5 ml/lt of water for
	2		effective control.
Jhum Rice	Germination	2 5	According to forecast probability of rain
	stage	2	will be moderate to high and
	( C		temperature will be less so run off and
	/ MAMIT	1	proper drainage should be maintained
	2	A AIZAWL	in the field.
			4 Don't use split dose of fertilizer for top
		1	dressing.
	10	<b>Rice stem borer</b>	According to forecast probability of rain will
		and leaf folder	be moderate to high and temperature will
			be less and humidity will high so possibility of rice thrips attack will high.
	12		Spray Monocrotophos @ 1.5 ml/lt of water
	1	SERCHH	or Imidachloroprid 1.5 ml/lt of water for
	1	Nº La	effective control.
Maize	Vegetative		4 According to forecast probability of rain
(Jhum)	stage		will be moderate to high and
			temperature will be less so run off and
		LUNGLEI	proper drainage should be maintained
	2		in the field.
		000	Don't use split dose of fertilizer for top
	<b>D</b>		dressing.
VEGETABLE CRO		2 1	According to forecast probability of rain
Cowpea	Flowering to	1 9 AL	According to forecast probability of rain will be moderate to high and
	fruiting stage		temperature will be less so run off and
			proper drainage should be maintained
		1	in the field.
		LAWNGTLAV	<ul> <li>Don't use split dose of fertilizer for top</li> </ul>
		/ SAIHA	dressing.
			Trail semi hard wood stem to bower
		Lange I III	structure
		PNI	
		Y N T	<b>5</b>   P a g e



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

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			Clean near the base of the plant.
Okra	Flowering to		4 According to forecast probability of rain
	fruiting stage	for street	will be moderate to high and
		1 7	temperature will be less so run off and
	1 6	1	proper drainage should be maintained
	19	Vi construction of	in the field.
		KOLASIB	📲 Don't use split dose of fertilizer for top
	4	(. C	dressing.
	/	WS )	4 Trail semi hard wood stem to bower
	S	2 1 1	structure
	(		Clean near the base of the plant.
	1	Okra leafroller	<ul> <li>Apply insecticide like imidacloprid 0.5 ml or</li> </ul>
		ORIa leallohei	phosolone 1.5 ml or acephate 1.0 g or
	> MAMIT		dimethoate 2 ml/lt of water.
Ginger and	Vegetative		According to forecast probability of rain
turmeric		L AIZAWL I	will be moderate to high and
turmeric	stage	2	temperature will be less so run off and
		1	proper drainage should be maintained
	2	$1 \sim 1$	in the field.
	) 🍙		Apply well decomposed FYM/ pig
	$\langle \gamma \rangle$		manure @ 10-20 t/ha along with
	C.	SERCHH	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
		12-	incorporate with som for better
		Ri Lag	development.
Colocasia	Vegetative		According to forecast probability of rain
	stage		will be moderate to high and
			temperature will be less so run off and
		LUNGLEI	proper drainage should be maintained
	>	and the second se	in the field.
	1		🕂 Apply well decomposed FYM/ pig
		a 2~	A manure @ 10-20 t/ha along with
			120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
			incorporate with soil for better
			development.
ANIMAL HUSBEN	IDARY		
Pig	All stages		4 As the weather gets colder, your pigs
Ŭ	Ŭ	Constanting of the	energy requirement will increase, as
		LAWNGTLAK	they need more energy to keep warm.
		/ SAIHA	Regularly monitor their level of 'fitness
			and increase their feed intake to
			maintain.
	I	201	
		N N N	<b>6</b>   P a g e



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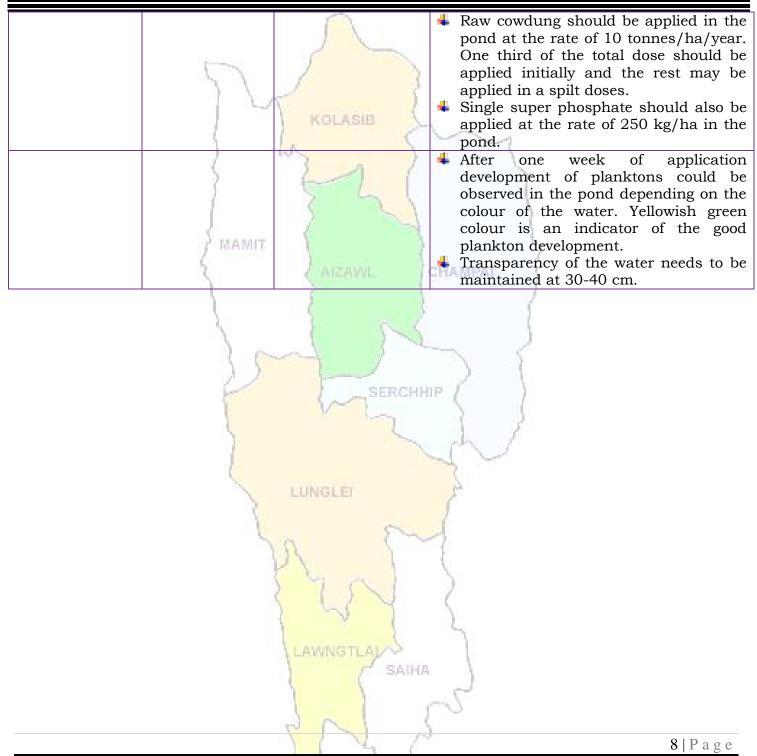
		$\wedge$	Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	$\sum$	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	AIZAWL	<ul> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>
Poultry	Litter management	LUNGLEI	<ul> <li>Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- F1 vaccine at (1-6 days of birth and R<sub>2</sub>B vaccine for adul birds.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>Coccidiosis-</b> Amprolium of coccidiostat
		4-5 <sup>th</sup> Weeks	$4$ Calcium tonic fortified with $B_{12}$
FISHERY		SAIHA	
	Pond preparation	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		127	7   P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **District: Aizawl**

<b>Bulletin</b> N	o: - 711/	2017/	Bulletin/	Mizo	
		15	No.	1	

Period: 21 June - 25 June, 2017

### Date of issue: 20th June, 2017

		- Pa			
Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017
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	rly- <mark>S</mark> , South-W	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	aronthosis
Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	- 105.48mm \$ (359.89mm)	of deviation fr Saiha- 307.40 n (507.7n Mamit-204.87n (442.80n	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)
Weather summary	, <b>`</b>	21 <sup>st</sup> June- 2			
three day	s	(	dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):85- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-4 km/ Rainfall: 68.3 mm	4-16°C 100% 95% heasterly cloudy	Tun ni 5 chhun tura beisei a ni. 1 vawh lai ber in 98-99% leh a hn hi darkar khat zawngin a tleh n hian khawthiang <b>Weekl</b>	Khua a lum lai 13°C ni tura b iam lai berin 6 ah 2-3 km v rin a ni. A tlan g tak hmuh bei <b>y cumulative</b>	berin 28-29°C beisei a ni. RH 2-78% ni tur a rela chakin ch ngpuiin tun ni sei a ni. <b>rainfall: 57.0r</b>	a ni ang a. A san lai berin rin niin. Thli haklam awi nga chhung <b>nm</b>
NDVI for Mizoram		North East Region 11 May 2017 10 4 2 4 3 10 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	conditions conditions conditions conditions	wet mildly dr	y/mildly wet
		N V	C.		1   P a g e

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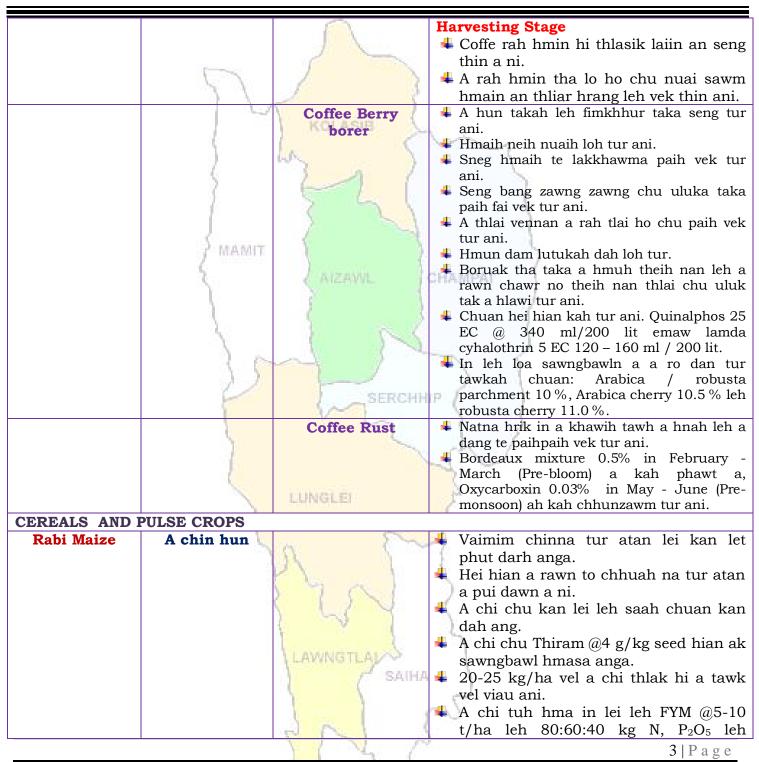
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	3	1 NOLNOID >	velah dahkhawm tur ani.
LIME		LA N	4 Thlai naupang deuah chuan chawlh
	(	3 1 1	kar tin a tui pek thin tur ani.
BANANA	1		Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
		1 21	te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 marined b	1	taka pek hian a rah tla tur chelh nan
PLUM AND	2	A AIZAWL	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
PEACH		Cummonia citarua	Temperture hniam lutuk leh hnawng vang
	4	Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna
	1 2	greening and	laka vennan Bordeaux past hi thing zar leh
	1.0	Dieback	a trangah te hnawih tur ani.
	12	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
	1	~ CKCHH	rah tan tirin chawlhkar hnih chhung chu
		New York	heng te hian enkawl tur ani: carbaryl 0.2
	1	5	percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	OD		10 g/l.
PLANTATION CR		LUNGLEI	Newscore store
COFFEE	All stages		<b>Nursery stage</b> Thlai chi thlak hma in <i>Azospirillum</i> leh
		20	Phosphobacterium a enkawl tur ani.
	1	$\alpha \sim \gamma$	A chi hi December – January ah hmun
	1		zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 A AL	tlar mumal tak siam in chin tur ani.
	5	$\langle \langle \rangle \rangle$	4 Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			<b>4</b> Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		PAN 1	
		YING	2   P a g e



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

Mizoram Centre, Kolasib- 796081, MIZORAM







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Seuboon noo			<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>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	AIZAVIL	<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>
		6123	4   P a g e



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



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basea on District wise weather Forecast rece Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	1	U-S WEEK	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	221	<ul> <li>a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium or
	5 MAMIT		coccidiostat
		4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with $B_{12}$
FISHERY	5		CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	7   Page



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CHAMPAL



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,





#### **District: Champhai**

<b>Bulletin</b>	No: -	711	/2017/	Bulletin	<b>English</b>	

Period: 21 June - 25 June, 2017

# Date of issue: 20th June, 2017

Parameters         21.06.2017         22.06.2017         23.06.2017         24.06.2017         25.06.2017           Rainfall (mm)         10         10         9         8         11           Max Temp (°C)         30         30         28         28         29           Min Temp (°C)         20         20         21         21         20           Cloud Coverage         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy           Max RH (%)         98         98         99         99         99           Min RH (%)         68         63         67         84         80           Wind Speed (KmpH)         2         2         2         2         2
Max Temp (°C)         30         30         28         28         29           Min Temp (°C)         20         20         21         21         20           Cloud Coverage         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy         Mainly cloudy           Max RH (%)         98         98         99         99         99           Min RH (%)         68         63         67         84         80
Min Temp (°C)         20         20         21         21         20           Cloud Coverage         Mainly cloudy         Mainly cloud
Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyMainly cloudyMax RH (%)9898999999Min RH (%)6863678480
Max RH (%)         98         98         99         99         99           Min RH (%)         68         63         67         84         80
Min RH (%) 68 63 67 84 80
Wind Speed (KmpH)         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2
*Wind Direction S S E S-E S-E
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,
Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.
STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)
Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Kolasib- 236.00mm
(430.2mm) (359.89mm) (507.7mm) (428.1mm)
Lawngtlai-291.20mm Lunglei-326.00mm Mamit-204.87mm Serchhip-411.72mm
(453.1mm) (465.14mm) (442.80mm) (259.62mm)
Weather summary of the pastWeather forecast valid from 21th June, 2017 To 25th
three days June, 2017.
Maximum Tem. (°C):22-26°C There are chances of moderate to light rainfall during the
Minimum Tem. (°C):13-15°C next 5 days. The maximum and minimum temperatures for
Maximum RH (%):97-100% the next 5 days may range for 28-30°C and 20-21°C
Minimum RH (%):82-95% Maximum relative humidity is expected in the range of 98
Wind Direction: Southeasterly 99% and minimum may from 63-84%. Wind direction
Cloud cover: Mainly cloudy would be southerly to southeasterly with the wind speed of
Wind Speed: 2-5 km/hr 2 km per hour. Mainly cloudy sky will prevail during the
Rainfall: 58.8 mm next live days.
Weekly cumulative rainfall: 48.0 mm
NDVI for Mizoram North East Region 11 May 2017 Moderately wet mildly dry/mildly we
conditions
0.4-0.5 ] Good 0.5-0.5 ] Good 0.6-0.1
The same is a set of the set of t
Agriculture vigour is good over most of the parts Northern Assam Tripurs and Meghalayer whereas moderate vigour is noticed in rest of the region.
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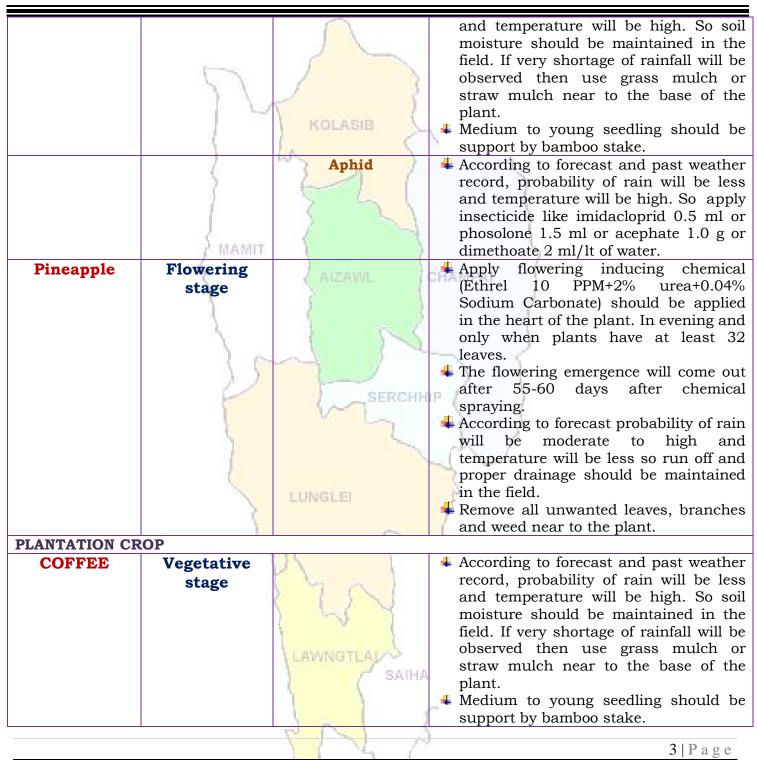
Main Cran/	Store	Culturel	Agriculture 1 / Herticulture 1 / opine 1
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1.02	
KHASI	Seedling	)	<b>4</b> According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	)	W. 3	moisture should be maintained in the
	(	1 1	field. If very shortage of rainfall will be
BANANA	(		observed then use grass mulch or
	1		straw mulch near to the base of the
			plant.
STAR FRUIT	AMAMIT	1	4 Medium to young seedling should be
	A statistication	And the second s	support by bamboo stake.
PLUM AND	1	& AIZAWL I	In the citrus belt, trees can be planted
PEACH		1	at any time; however, spring is the best
FEACI	1	1 ( )	time for container grown plants.
	4	1 00	Standard-size trees should be spaced
	1	1 1 1 1	12 to 25 feet apart and dwarf trees
	1.0		should be set 6 to 10 feet apart. The exact distance depends on the variety.
	12		
	1	SERCHH	the distance.
		No log	Use split dose of fertilizer for normal
	1		growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	2	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	<b>Lamon butterfly</b> - Spray monocrotophos
	5	minor	@0.04% @1.2 ml/lt of water.
		1	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1	emergence.
		1 55 7	<b>4 Citrus Canker-</b> Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	4 Trail semi hard wood stem to bower
	stage	/ SAIHA	structure
			Clean near the base of the plant.
			4 According to forecast and past weather
		1 12 1	record, probability of rain will be less
			21D
			2   P a g e



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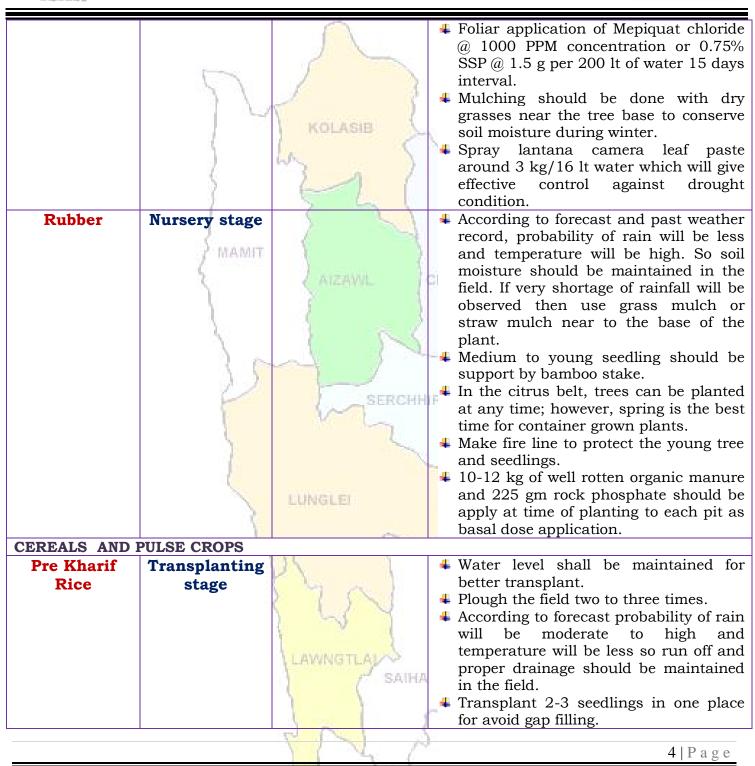




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	5	$\bigwedge$	<ul> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul>
		Rice thrips and rice leaf mites	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for</li> </ul>
Jhum Rice	Germination stage MAMIT		<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> </ul>
		AIZAWL	Don't use split dose of fertilizer for top dressing.
	Z	Rice stem borer and leaf folder SERCHH	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>
Maize (Jhum)	Vegetative stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>
<b>VEGETABLE CRO</b>	OP		
Cowpea	Vegetative stage	LAWNGTLAK	uressing.
			Trail semi hard wood stem to bower structure
		PN /	5   P a g e



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			4 Clean near the base of the plant.
Okra	Vegetative		According to forecast probability of rain
	stage		will be moderate to high and
		1	temperature will be less so run off and
	1 6	1 2	proper drainage should be maintained
		N l	in the field.
		KOLASIB	↓ ■ Don't use split dose of fertilizer for top
	1 (c)	(	dressing.
	)	WA 3	Trail semi hard wood stem to bower
	(	2 1 1	structure
	(		Clean near the base of the plant.
		Okra leafroller	<ul> <li>Apply insecticide like imidacloprid 0.5 ml or</li> </ul>
		Okra lealfoller	phosolone 1.5 ml or acephate 1.0 g or
	> MAMIT	1	dimethoate 2 ml/lt of water.
Ginger and	Vegetative	1	According to forecast probability of rain
turmeric		& AIZAWL 1	will be moderate to high and
turmenc	stage		temperature will be less so run off and
		1	proper drainage should be maintained
	2	1 6 6	in the field.
	1		Apply well decomposed FYM/ pig
	2 6		manure @ 10-20 t/ha along with
	))		120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	2	SERCHH	P incorporate with soil for better
	1	where	development.
Oslassia	To state the		According to forecast probability of rain
Colocasia	Vegetative		will be moderate to high and
	stage		temperature will be less so run off and
			proper drainage should be maintained
		LUNGLEI	in the field.
	3		Apply well decomposed FYM/ pig
	10	~	manure @ 10-20 t/ha along with
	1	$\sim$	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
ANIMAL HUSBEN			development.
		Y Y	As the weather gets colder, your pigs
Pig	All stages		energy requirement will increase, as
		LAWNGTLAN	they need more energy to keep warm.
		/ SAIHA	Regularly monitor their level of 'fitness
			and increase their feed intake to
			maintain.
		1 1 N	610000
		1 1 0	6   P a g e



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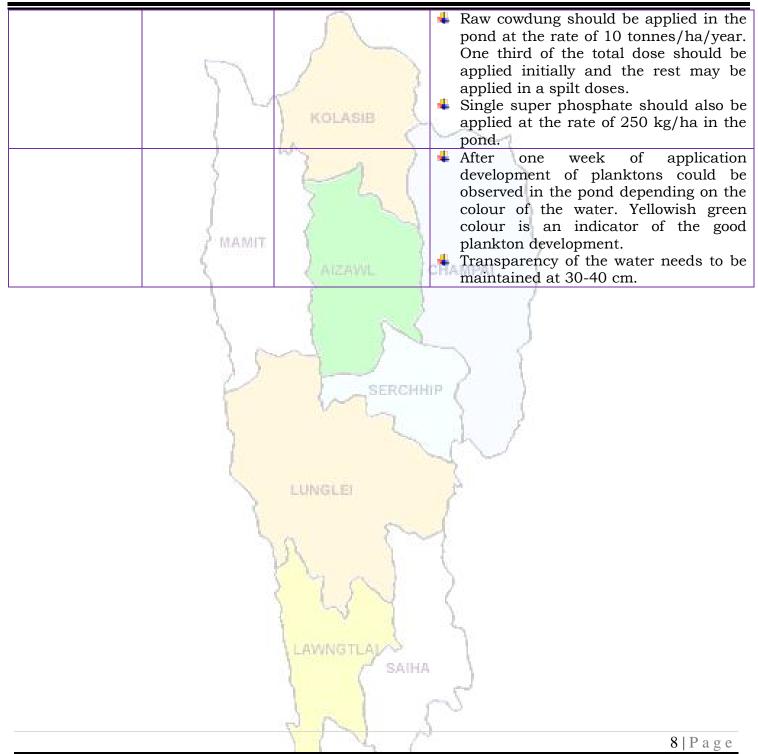
		$\wedge$	Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
	$\sum$	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	AIZAWL	<ul> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter Foot Mouth Disease, Duck Plague.</li> </ul>
Poultry	Litter management	LUNGLEI	<ul> <li>Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- F1 vaccine at (1-6 days of birth and R<sub>2</sub>B vaccine for adul birds.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	Coccidiosis- Amprolium or coccidiostat
DIGUIDEI		4-5 <sup>th</sup> Weeks	<b>4</b> Calcium tonic fortified with $B_{12}$
FISHERY		SAIHA	
	Pond preparation	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		NN C	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)



#### **District:** Champhai

Bulletin No: - 711/2017/ Bulletin/Mi	zo
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Period: 21 June - 25 June, 2017

### Date of issue: 20th June, 2017

		R.			
Parameters	21.06.2017		23.06.2017	24.06.2017	25.06.2017
Rainfall (mm)	10	10	9	8	11
Max Temp (°C)	30	30	28	28	29
Min Temp (°C)	20	20	21	21	20
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	98	99	99	99
Min RH (%)	68	63	67	84	80
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	S	S	E	S-E	S-E
Souther	rly- <mark>S</mark> , South-V	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champha Lunglei-	i- 105.48mm      \$ (359.89mm)	of deviation fr Saiha- 307.40 n (507.7r Mamit-204.87n (442.80r	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)
Weather summary		21 <sup>st</sup> June– 2			· · · · · · · · · · · · · · · · · · ·
three day	s		dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):82- Wind Direction: Sout Cloud cover: Mainly o Wind Speed: 2-5 km/ Rainfall: 58.8 mm	3-15°C 100% 95% heasterly cloudy hr	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 98-99% le niin. Thli hi dark zawngin a tleh t hian khawthiang <b>Weekl</b>	Khua a lum lai 20-21°C ni tu ch a hniam lai car khatah 2 ku rin a ni. A tla: g tak hmuh bei	berin 28-30°C ara beisei a ni berin 63-84% n vela chakin c ngpuiin tun ni	a ni ang a. A . RH san lai ni tur a rin hhaklam awi nga chhung
NDVI for Mizoram		North East Region 11 May 2017 14 403 20 14 40 14 40 14 14 40 14 40	conditions } work } work } work } work Ausm	wet mildly dr	y/mildly wet
		The second	1		1   Page

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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,



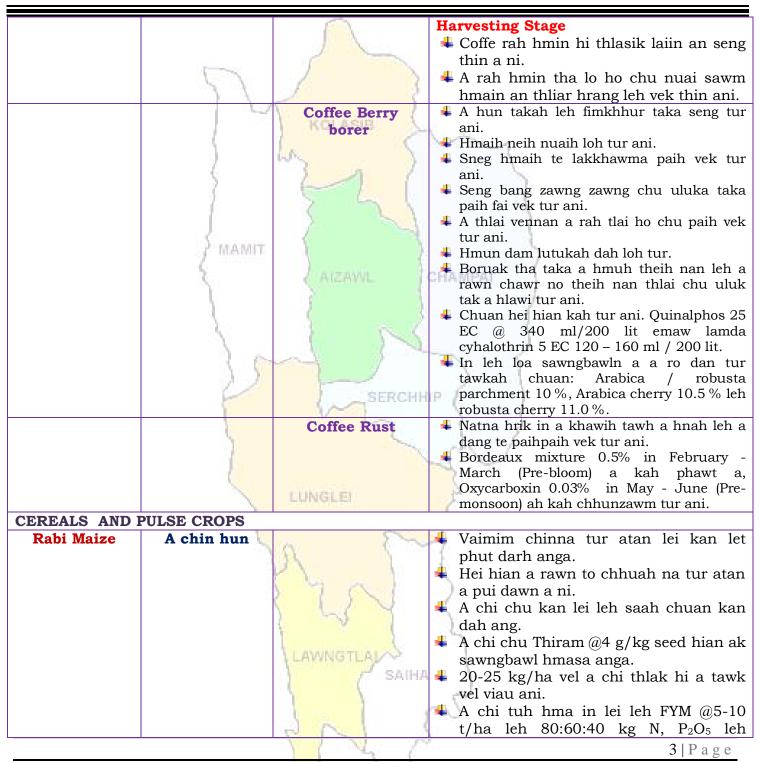
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases	•			
FRUITS CROPS		I	l			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul			
AND ACID		1 NOLNOID	velah dahkhawm tur ani.			
LIME		LA N	4 Thlai naupang deuah chuan chawlh			
	(	3 1	kar tin a tui pek thin tur ani.			
BANANA	2		4 Leia tha mamawh tawk a hmuh			
	1	2 5 1	theihna turin a hmunhma a hnim awm			
		1 21	te thlawhfai thin tur ani.			
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha			
	1 menual		taka pek hian a rah tla tur chelh nan			
PLUM AND	2	A AIZAWL	leh a rah than that nan te leh a rah			
PEACH		1	keh tur lakah t a veng thei ani.			
РЕАСП		One of the state o	Townsetture being lutule lab because uses			
	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 Dieback	a trangah te hnawih tur ani.			
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a			
	1	A REAL	rah tan tirin chawlhkar hnih chhung chu			
		March 1	heng te hian enkawl tur ani: carbaryl 0.2			
	1		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		ESTIMATET				
COFFEE	All stages		Nursery stage			
		0	+ Thlai chi thlak hma in Azospirillum leh			
	1	$\alpha$ $\sim$	Phosphobacterium a enkawl tur ani.			
			A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin			
			tlar mumal tak siam in chin tur ani.			
	5		<b>4</b> Chuan a chi chu lei tlem te a chhilh a			
		1 20	buhpawla khuh tur ani.			
			Nitin tui pek tur ani a, a sat lutuka loh			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		/ SAIHA				
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		VIV /	2   P a g e			



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

Mizoram Centre, Kolasib- 796081, MIZORAM







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



	5	$\sum$	K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	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 3	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM



Onion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumImage: CapsicumNursery stagePoly houseImage: CapsicumImage: Capsicum <th><i>K</i>w<i>k</i></th> <th></th> <th></th> <th></th>	<i>K</i> w <i>k</i>			
capsicum       tui pek thin tur ani.         tui pek thin tur ani.       Thia ibul vawn hnawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani.         Ammin       Ammin         Ammin<		N	a to be been a bell and	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
French beanSowing stageFrench beanSowing stageemaw 1emaw 2g captan emaw 3copper psychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing stage4Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma 			AIZAVIL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishMarkov radishMarkov radishMarkov radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishMarkov radishMarkov radishMarkov radishSowing stageMarkov radishMarkov radishSowing stageMarkov radishMarkov radishSowing stageMarkov radishMarkov radishSowing stageMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radish<		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.       Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		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.
		Sowing stage		<ul> <li>tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			PN 1	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



ANIMAL HUSBE	ANIMAL HUSBENDARY					
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>			
	AMAMIT	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			
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.			
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>			
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.			
		PN /	<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,

basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	han ?	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	Ł	4 <sup>th</sup> weeks	<b>Coccidiosis-</b> Amprolium or coccidiostat
	J' MAMIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	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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**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: - 711/2017/ Bulletin/English

Period: 21 June - 25 June, 2017

#### Date of issue: 20th June, 2017

Parameters	21.06.2017	22.06.2017	23.06.2017	24.06.2017	25.06.2017		
Rainfall (mm)	14	8	7	5	12		
Max Temp (°C)	29	30	29	29	29		
Min Temp (°C)	22	22	22	23	23		
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	99	97	99	99		
Min RH (%)	69	63	68	76	80		
Wind Speed (KmpH)	4	4	2	2	4		
*Wind Direction	S-E	S-E	E	S	S-E		
		Easterly- <mark>N-E</mark> , Eas					
		Vesterly- <mark>S-W</mark> , We					
STATUS OF MONSO	OON- April 1-3	0, 2017 (Percent	of deviation fr	om normal in p	arenthesis)		
Aizawl- 384.87mm	Champhai	- 105.48mm	Saiha- 307.40 n	nm Kolasib-	236.00mm		
(430.2mm)		(359.89mm)	(507.7n	nm)	(428.1mm)		
Lawngtlai-291.20mm	Lunglei-	326.00mm	Mamit-204.87n	nm Serchhip	-411.72mm		
(453.1mm)		465.14mm)	(442.80n	nm)	(259.62mm)		
Weather summary	of the past	Weather forecast valid from 21 <sup>th</sup> June, 2017 To 25 <sup>th</sup>					
three day	s	June, 2017.					
Maximum Tem. (°C):2	25-28°C	There are chances of moderate to light rainfall during the					
Minimum Tem. (°C):2		next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):94-		the next 5 days may range for 29-30°C and 22-23°C.					
Minimum RH (%):84-		Maximum relative humidity is expected in the range of 97-					
Wind Direction: Sout	la a a da a ulun						
Cloud cover: Mainly o	-to-u-d-u	99% and minimum may from 63-80%. Wind direction					
Wind speed: 2 km/h	r (	would be southeasterly to easterly to southerly to					
		southeasterly with the wind speed of 2-4 km per hour.					
Rainfall: 57.3 mm		Mainly cloudy sk	y will prevail d	uring the next	five days.		
		Weekl	y cumulative i	rainfall: 46.0 1	mm		
NDVI for Mizoram		North East Region 11 May 2017	Moderately	wet mildly dr	y/mildly wet		
		-3-3	conditions				
			re soll / w ckground ]. Modes				
		0.3-0.4	Good				
			} Very G				
		Agriculture vigour is good over most of the parts Northern					
		Tripura and Meghalaya whereas moderate vigour is noticed of the region.	in rest				
		201	1				
		Y Y	120		1   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,

a on District wise weather Forecast rec Guwahati)



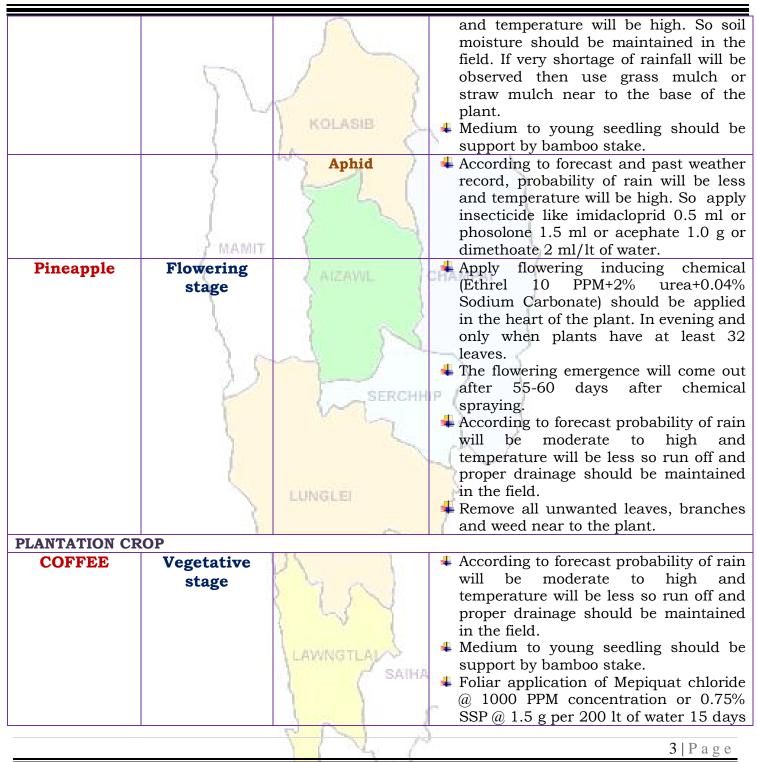
	<u>A</u>	0 11 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	<b>4</b> According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	J	LA. J	moisture should be maintained in the
	(	5 1 1	field. If very shortage of rainfall will be
BANANA	1		observed then use grass mulch or
	f f	2 2 1	straw mulch near to the base of the
	J.		plant.
STAR FRUIT	> MAMIT	1	4 Medium to young seedling should be
	A Stationers	a second second	support by bamboo stake.
PLUM AND	2	& AIZAWL I	In the citrus belt, trees can be planted
PEACH			at any time; however, spring is the best
PEACH		1 ( )	time for container grown plants.
	4	1 8 6	Standard-size trees should be spaced
		1 1 1	12 to 25 feet apart and dwarf trees
	1		should be set 6 to 10 feet apart. The
	12		exact distance depends on the variety.
	1	SERCHH	F The bigger the fruit, the farther the distance.
		No. Com	Use split dose of fertilizer for normal
	1		growth and development.
		Gummosis, citrus	According to forecast and past weather
	1	Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	2	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	<b>Lamon butterfly</b> - Spray monocrotophos
	5 C	minor	@0.04% @1.2 ml/lt of water.
		1	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1	emergence.
		) 55 7	<b>4 Citrus Canker-</b> Apply bacterimycin
		Y	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	4 Trail semi hard wood stem to bower
	stage	- SAIHA	structure
			Clean near the base of the plant.
			▲ According to forecast and past weather
		1 12 1	record, probability of rain will be less
		R 1 2 1	
		4	2   P a g e



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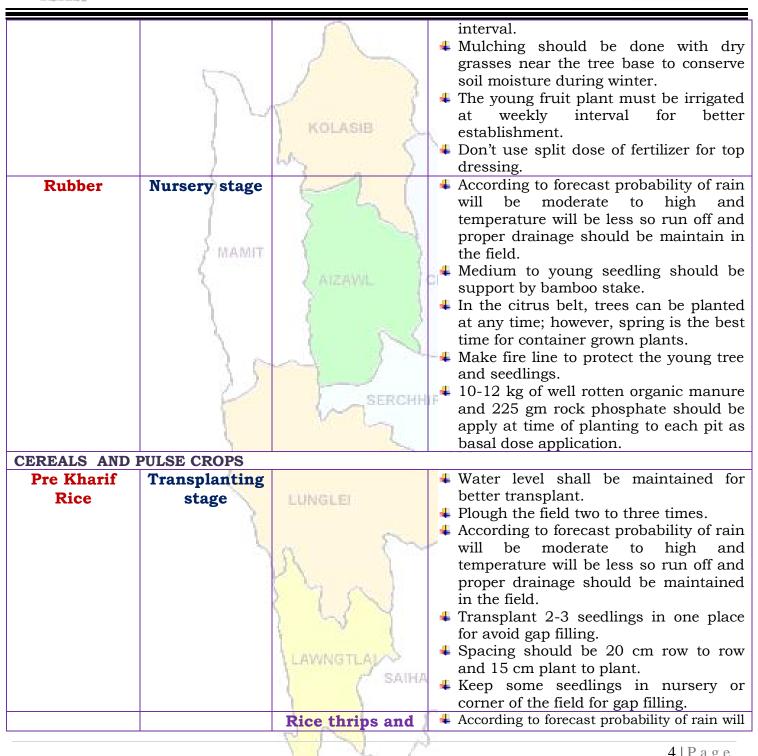




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	5	rice leaf mites	<ul> <li>be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>
Jhum Rice	Germination stage	KOLASIB	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>
	S MAMIT	Rice stem borer and leaf folder	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>
Maize ( <i>Jhum</i> )	Vegetative stage	SERCHH	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>
<b>VEGETABLE CRO</b>	OP	l	
Cowpea	Vegetative stage		<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>
Okra	Vegetative stage	SAIHA	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained</li> </ul>
		PN A	5   P a g e



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Ginger and turmeric Colocasia	Vegetative stage MAMIT Vegetative stage	Okra leafroller	<ul> <li>in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil for better development.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> </ul>
	2	LUNGLEI	Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil for better development.
ANIMAL HUSBEN			
Pig	All stages	LAWNGTLAL	auvantage of a men level of onlega-5.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	~~
		K 1 X 1 7	61D 0 0 0
			6   P a g e



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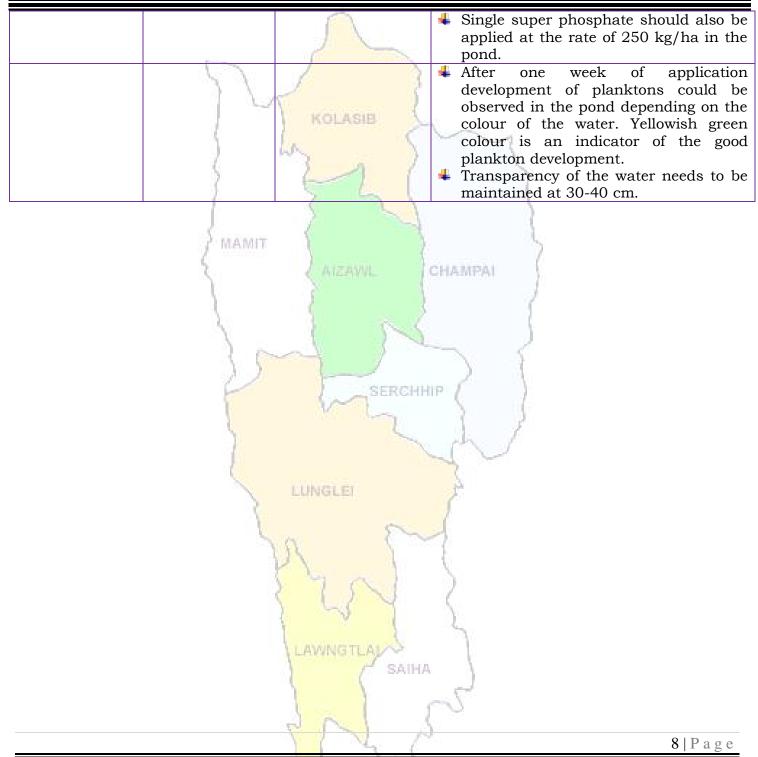


		Respiratory	
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
0.441	A 11	KOLASIB	interval
Cattle	All age group	0	Luring either hot or heavy rainy
		14 N	condition, animal are advised to keep
	(	5 1 1	under shade.
	(		♣ Vaccination is mandatory for the cattle
	1		prior to monsoon to protect from
		1	disease like Anthrax, Black Quarter,
	- Smann		Foot Mouth Disease, Duck Plague.
Poultry	Litter	1	Hirds require adequate space, sufficient
	management	( AIZAWL 1	feed to meet their nutritional
			requirements and an adequate supply
		1 2	of good-quality water.
	10	3 6 6	4 Good management and sanitation are
			the best ways to avoid infectious
	1 1	$\sim$ )	disease in poultry.
	() ()		Provide ample quantity of clean
		SERCHH	drinking water.
		which have been a second secon	4 Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	<b>4 Ranikhet Disease-</b> F1 vaccine at (1-6)
	measures		days of birth and $R_2B$ vaccine for adult
			birds.
		LUNGLEI	B complex with antibodies
	5	4 <sup>th</sup> weeks	<b>4</b> Coccidiosis- Amprolium or
	10	~	coccidiostat
	1	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY		2	
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
		WCCAS	in development of plankton which serve
	preparation		as natural feed for the fishes.
			Raw cowdung should be applied in the
		LAWNGTLAV	nond at the rate of 10 tonnes /ha/wear
		/ SAIHA	One third of the total dose should be
			applied initially and the rest may be
		and the second sec	applied in a spilt doses.
		E C	
		VIN /	7   P a g e
			, [± «8°



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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



#### **District:** Kolasib

Bulletin	<b>No:</b> -	711	/2017	/ Bull	etin/Miz	0
					10	

Period: 21 June - 25 June, 2017

#### Date of issue: 20th June, 2017

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P. C.	1				
Parameters	21.06.2017		23.06.2017	24.06.2017	25.06.2017		
Rainfall (mm)	14	8	7	5	12		
Max Temp (°C)	29	30	29	29	29		
Min Temp (°C)	22	22	22	23	23		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	99	97	99	99		
Min RH (%)	69	63	68	76	80		
Wind Speed (KmpH)	4	4	2	2	4		
*Wind Direction	S-E	S-E	E	S	S-E		
Souther	ly- <mark>S</mark> , South-V	Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	41		
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champha Lunglei	i- 105.48mm      \$ (359.89mm)	of deviation fr Saiha- 307.40 n (507.7r Mamit-204.87n (442.80n	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)		
Weather summary of	of the past	21 <sup>st</sup> June– 25 <sup>th</sup> June, 2017 chhunga sik leh sa					
three day	S	dinhmun tur tlangpui					
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):94- Minimum RH (%):84-9 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2 km/h Rainfall: 57.3 mm	0-21°C 99% 95% heasterly cloudy	Tun ni 5 chhun tura beisei a ni. 1 vawh lai ber in berin 97-99% le niin. Thli hi dari awi zawngin a the hian khawthiang <b>Weekl</b>	Khua a lum lai 22-23°C ni tu h a hniam lai kar khatah 2-4 ch rin a ni. A tl g tak hmuh bei	berin 29-30°C 1ra beisei a ni berin 63-80% 4 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 11 May 2017 14 G3 4 14 G3 4	conditions	wet mildly dr	y/mildly wet		
		NY N	~		1   Page		

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



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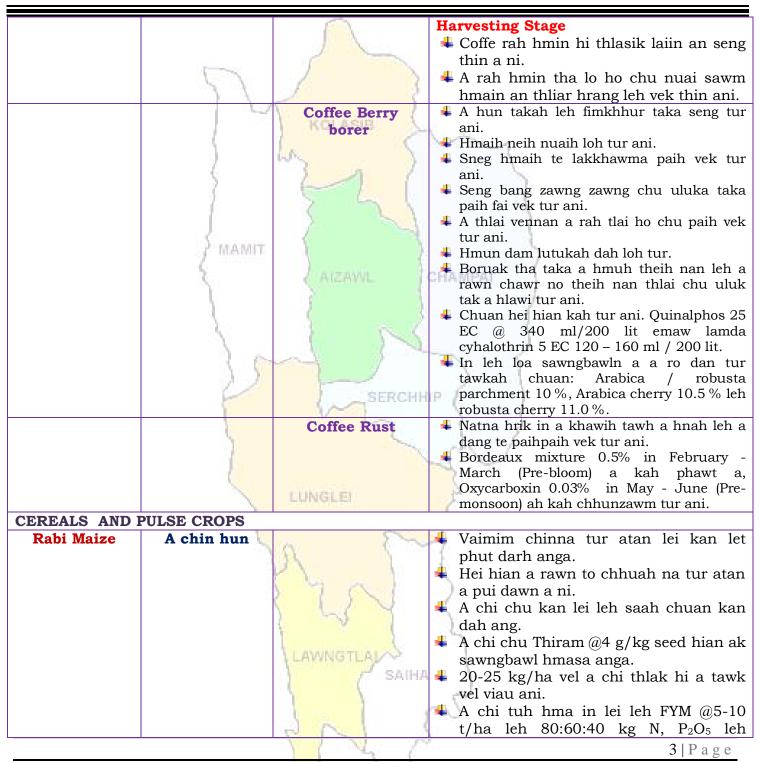
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·		
FRUITS CROPS		1	l		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 NOLNOID	velah dahkhawm tur ani.		
LIME		La N	4 Thlai naupang deuah chuan chawlh		
	(	3 1 1	kar tin a tui pek thin tur ani.		
BANANA	2		4 Leia tha mamawh tawk a hmuh		
	1	2 5 1	theihna turin a hmunhma a hnim awm		
		2	te thlawhfai thin tur ani.		
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha		
	1 menual	1	taka pek hian a rah tla tur chelh nan		
PLUM AND	2	A AIZAWIL I	leh a rah than that nan te leh a rah		
PEACH		2	keh tur lakah t a veng thei ani.		
РЕАСП		Orange and a site of	Townsetture being lutule lab because uses		
	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 Dieback	a trangah te hnawih tur ani.		
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a		
	1	CALL REPORT	rah tan tirin chawlhkar hnih chhung chu		
		Mar Long	heng te hian enkawl tur ani: carbaryl 0.2		
	1		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR		Lenverser			
COFFEE	All stages		Nursery stage		
		0	+ Thlai chi thlak hma in Azospirillum leh		
	1	$\alpha$ $\sim$	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>		
		31	zawl/rualrem 1.5 - 2.5 cm a in hlatin		
			tlar mumal tak siam in chin tur ani.		
	5	$\langle \rangle \rangle$	Chuan a chi chu lei tlem te a chhilh a		
		1 20 1	buhpawla khuh tur ani.		
			Nitin tui pek tur ani a, a sat lutuka loh		
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur		
		/ SAIHA			
			♣ Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
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			211450		



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	5	$\sum$	K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	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 3	4   P a g e



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Onion and capsicumNursery stagePoly houseHai ha lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawiha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawm khawm hi tui pek zawhah dah tur ani.Thlai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha He ani.Phytopthora blightPhytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha he ani.French beanSowing stageTui pek a hnihnah hringa khuh tur ani a. than a that theih nan nui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageTui pek hnihan hnima hi cluan sik leh sa vangin a hnah ah thil dun a rawn awm thina, hei hi natna tanglawn ber ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Thi pek hnuan theih nan leh hnim to loh na turi na kung bulah lei vur chhoh zel tur ani.A than a that theih nan sikhat danah tui pek thin tur ani.Thi pek hnuan thia bul vawn hnawn na tur siam tur ani.A than a that heih nan nikhat danah tui pek thin tur ani.Thi pan hanah ah thil dun a rawn awm thina, hei hi natna tlanglawn ber ani.Thia hna lam chi leh zikhlum lam chi reng reng enkawl nan				
capsicum       tui pek thin tur ani.         tui pek thin tur ani.       Thia ibul vawn hnawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani.         Thia ibul vawn inawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani.       Thia ibul vawn inawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani.         Phytopthora blight       Phytopthora blight       A chi ven that nan thiram 3g/kg seed enaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.         French bean       Sowing stage       A chi ven that nan thiram 3g/kg seed enaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.         Carrot and radish       Sowing stage       A than duna theih nan tui pek hma in lei rin pan hmasak tur ani.         Carrot and radish       Sowing stage       A than a that theih nan nikhat danah tui pek thin tur ani.         Tui pek nuah thlai bul vawn hnawn na tur siam tur ani.       A than duna theih nan hikhai duna hui pek thin tur ani.         Tui pek nuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hunah thia bul vawn hnawn na tur siam tur ani.         Thia ihna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	0		I I I I I I I I I I I I I I I I I I I	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
French beanSowing stageFrench beanSowing stageemaw 2 g captan emaw 3 copper previchoride a tui liter 1 hi 10-15 DAS a pek hi a tha ble ani.French beanSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hunah thai bul vawn hnawn 			AIZAVIL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishA than a that theih nan nikhat danah tui pek thin tur ani.Markov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radish radish <th></th> <th>35</th> <th></th> <th><ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g</li> <li>(Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh</li> <li>emaw 2 g captan emaw 3 copper</li> <li>oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul></th>		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g</li> <li>(Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh</li> <li>emaw 2 g captan emaw 3 copper</li> <li>oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.         Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
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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,



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



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basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	han ?	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	Ł	4 <sup>th</sup> weeks	<b>Coccidiosis-</b> Amprolium or coccidiostat
	J' MAMIT	4-5 <sup>th</sup> Weeks	4 Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAWL	CHAMPAI
	Pond preparation (Dil buatsaih)	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		<ul> <li>hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul>
			<ul> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.</li> </ul>
		SAIHA	7   P a g e



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



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**Parameters** 

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

Max RH (%)

Min RH (%)

**Cloud Coverage** 

**\*Wind Direction** 

# GRAMIN KRISHI MAUSAM SEWA

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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#### **District:** Lawngtlai

Bulletin No: - 711/2017/ Bulletin/English

Period: 21 June - 25 June, 2017

Date of issue: 20th June, 2017

#### 21.06.2017 22.06.2017 23.06.2017 24.06.2017 25.06.2017 11 8 0 0 0 26 28 28 29 28 22 23 23 23 22 Mainly cloudy Mainly cloudy Mainly cloudy Mainly cloudy Mainly cloudy 97 97 93 97 96 70 67 73 67 65 Wind Speed (KmpH) 5 4 4 4 4 S-E Е E S-E S-E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)							
Aizawl- 384.87mm Champha	ai- 105.48mm	Saiha- 307.40 mm	Kolasib- 236.00mm				
(430.2mm)	(359.89mm)	(507.7mm)	(428.1mm)				
Lawngtlai-291.20mm Lungle	-326.00mm	Mamit-204.87mm	Serchhip-411.72mm				
(453.1mm)	(465.14mm)	(442.80mm)	(259.62mm)				
Weather summary of the past	Weather fore	cast valid from 21 <sup>th</sup>	<b>June, 2017 To 25th</b>				
three days		<b>June</b> , 2017.					
Maximum Tem. (°C):25-28°C Minimum Tem. (°C):14-15°C Maximum RH (%):97-100% Minimum RH (%):83-93% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-5 km/hr Rainfall: 40.1 mm	next 2 days. The the next 5 day Maximum relati 97% and mini- would be eas southeasterly w Mainly cloudy s	There are chances of moderate and light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 26-28°C and 22-23°C. Maximum relative humidity is expected in the range of 93-97% and minimum may from 65-73%. Wind direction would be easterly to southeasterly to easterly and southeasterly with the wind speed of 4-5 km per hour. Mainly cloudy sky will prevail during the next five days.					
	Week	ly cumulative rainf	all: 19.0 mm				
NDVI for Mizoram	North East Region 11 May 2 0.2 0.2 0.3 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	ters and / w bargerood a 3 Mode a 5 Good a 5 Good a 7 Wey 6 m Assam	mildly dry/mildly wet				

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



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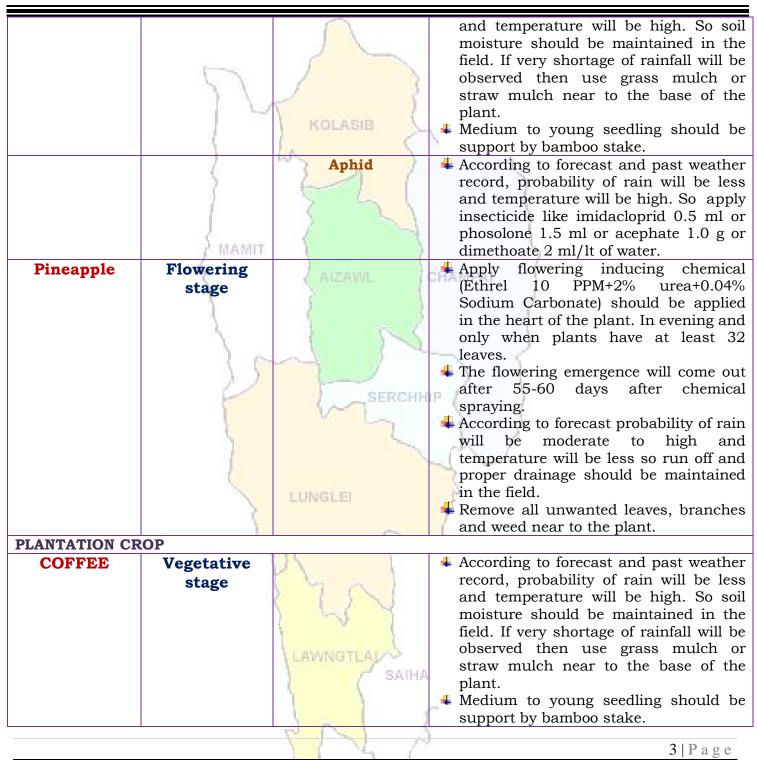
Main Cran/	Store	Culturel	Agriculture 1 / Herticulture 1 / opine 1
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1.02	
KHASI	Seedling	)	<b>4</b> According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	)	W. 3	moisture should be maintained in the
	(	1 1	field. If very shortage of rainfall will be
BANANA	(		observed then use grass mulch or
	1		straw mulch near to the base of the
			plant.
STAR FRUIT	AMAMIT	1	4 Medium to young seedling should be
	A statistication	And the second s	support by bamboo stake.
PLUM AND	1	& AIZAWL I	In the citrus belt, trees can be planted
PEACH		1	at any time; however, spring is the best
FEACII	1	1 ( )	time for container grown plants.
	4	1 00	Standard-size trees should be spaced
	1	1 1 1 1	12 to 25 feet apart and dwarf trees
	1.0		should be set 6 to 10 feet apart. The exact distance depends on the variety.
	12		
	1	SERCHH	the distance.
		No log	Use split dose of fertilizer for normal
	1		growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	2	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	<b>Lamon butterfly</b> - Spray monocrotophos
	5	minor	@0.04% @1.2 ml/lt of water.
		1	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1	emergence.
		1 55 7	<b>4 Citrus Canker-</b> Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	4 Trail semi hard wood stem to bower
	stage	/ SAIHA	structure
			Clean near the base of the plant.
			4 According to forecast and past weather
		1 12 1	record, probability of rain will be less
			21D
			2   P a g e



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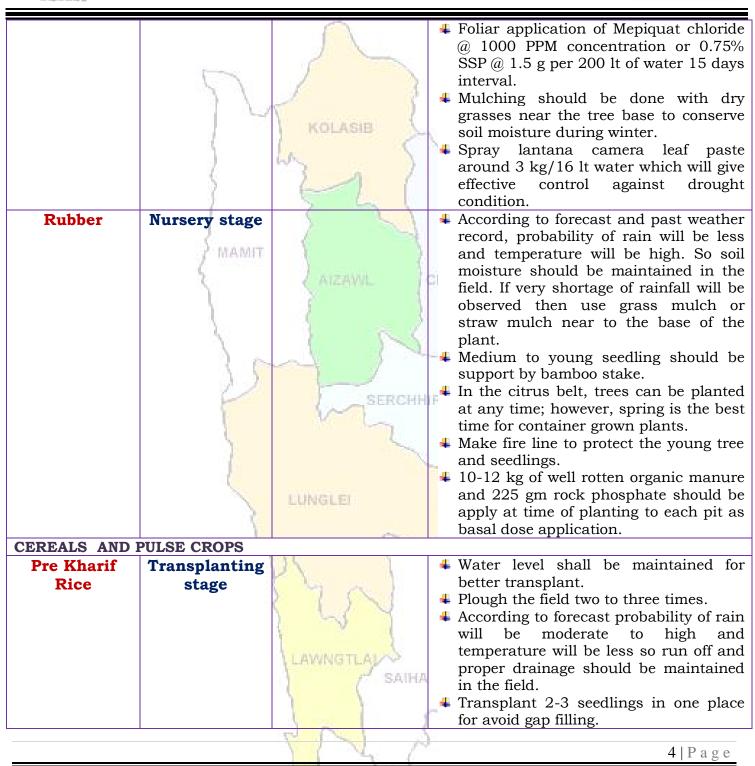




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	5	$\bigwedge$	<ul> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul>
		Rice thrips and rice leaf mites	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for</li> </ul>
Jhum Rice	Germination stage MAMIT		<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> </ul>
		AIZAWL	Don't use split dose of fertilizer for top dressing.
	Z	Rice stem borer and leaf folder SERCHH	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less and humidity will high so possibility of rice thrips attack will high.</li> <li>Spray Monocrotophos @ 1.5 ml/lt of water or Imidachloroprid 1.5 ml/lt of water for effective control.</li> </ul>
Maize (Jhum)	Vegetative stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>
<b>VEGETABLE CRO</b>	OP		
Cowpea	Vegetative stage	LAWNGTLAK	uressing.
			Trail semi hard wood stem to bower structure
		PN /	5   P a g e



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		0	4 Clean near the base of the plant.
Okra	Vegetative		According to forecast probability of rain
	stage		will be moderate to high and
		1	temperature will be less so run off and
	1 6	1 2	proper drainage should be maintained
		7	in the field.
		KOLASIB	↓ ■ Don't use split dose of fertilizer for top
	(	1. 0	dressing.
		~~ )	Trail semi hard wood stem to bower
	(	2 1 1	structure
	(		Clean near the base of the plant.
		Okra leafroller	<ul> <li>Apply insecticide like imidacloprid 0.5 ml or</li> </ul>
		Okra leaironer	phosolone 1.5 ml or acephate 1.0 g or
	> MAMIT	1	dimethoate 2 ml/lt of water.
Ginger and	Vegetative	1	According to forecast probability of rain
turmeric		L AIZAWL 1	will be moderate to high and
turmenc	stage	2	temperature will be less so run off and
		1	proper drainage should be maintained
	2	1 8 /	in the field.
	1		Apply well decomposed FYM/ pig
	2 🏊		manure @ 10-20 t/ha along with
	3.3		
	1	SERCHH	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
		~	incorporate with som for better
0.1	<b>TT</b> . 4 4	1.51 Array	development.
Colocasia	Vegetative		According to forecast probability of rain will be moderate to high and
	stage		l l
			temperature will be less so run off and
		LUNGLEI	proper drainage should be maintained in the field.
	5		
	1	~	Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with
	1	$\sim$	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
			incorporate with soil for better
ANIMAL HUSBEN			development.
		11 W	As the weather gets colder, your pigs
Pig	All stages		energy requirement will increase, as
		LAWNGTLAL	
		- SAIHA	they need more energy to keep warm.
			Regularly monitor their level of 'fitness and increase their feed intake to
			maintain.
		1 4 6	6   P a g e



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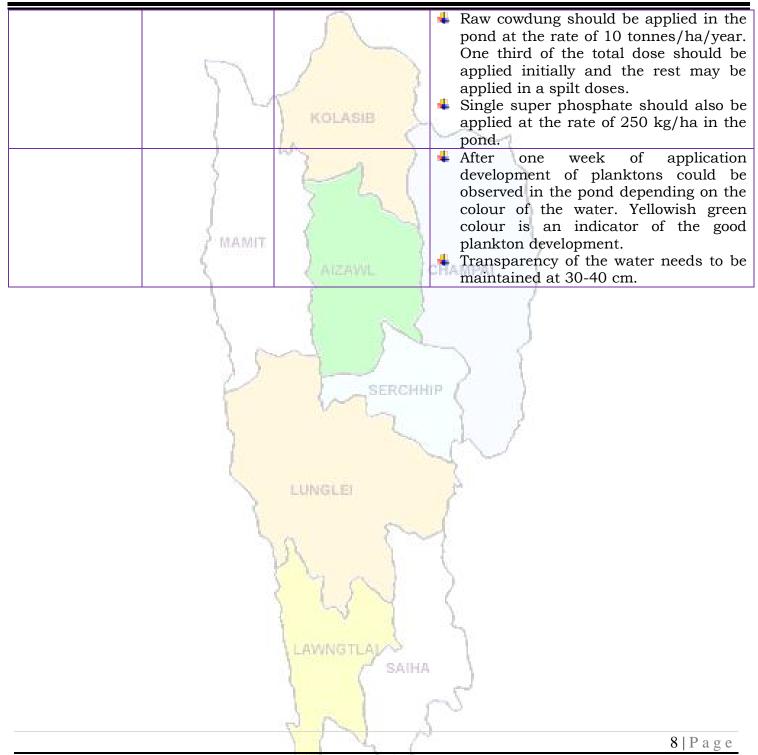
	Free and	$\wedge$	Fish oils are excellent for providing slow-release energy with the addec advantage of a high level of omega-3.
	$\sum$	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at months and yearly interval/6 month interval
Cattle	All age group	AIZAVIL	<ul> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter Foot Mouth Disease, Duck Plague.</li> </ul>
Poultry	Litter management		Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- F1 vaccine at (1-6 days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>
		4 <sup>th</sup> weeks	<b>Coccidiosis</b> - Amprolium of coccidiostat
		4-5 <sup>th</sup> Weeks	$4$ Calcium tonic fortified with $B_{12}$
FISHERY		LANNOILAY SAIHA	
	Pond preparation	3 <sup>rd</sup> -4 <sup>th</sup> weeks	Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.
		121	7   P a g e



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