

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei

Bulletin No: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	2.1	P.						
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017			
Rainfall (mm)	0	0	4	0	6			
Max Temp (°C)	36	35	33	35	32			
Min Temp (°C)	22	22	22	23	23			
Cloud Coverage	Clear sky	Clear sky	Partially clear	Clear sky	Partially clear			
Max RH (%)	80	88	95	97	99			
Min RH (%)	27	30	34	34	39			
Wind Speed (KmpH)	2	4	2	2	2			
*Wind Direction	E	S-E	S	E	S-E			
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,				
		Vesterly- <mark>S-W</mark> , We						
STATUS OF MONSO					arenthesis)			
Aizawl- 384.87mm	Champha	i- 105.48mm	<mark>Saiha</mark> - 307.40 n	nm Kolasib-	236.00mm			
(430.2mm)		(359.89mm)	(507.7r	•	(428.1mm)			
Lawngtlai-291.20mm			Mamit-204.87n	-	-411.72mm			
(453.1mm)		(465.14mm)	(442.80r	/	(259.62mm)			
Weather summary of	of the past	Weather fo		om 06 th May, 2	2017 То			
three day	s	10 th May, 2017.						
Maximum Tem. (°C):2	25-28°C	There are chanc	es of rainfall o	luring the next	2 days. The			
Minimum Tem. (°C):1	6-20°C	maximum and minimum temperatures for the next 5 days						
Maximum RH (%):83-	99%	may range for 32-36°C and 22-23°C. Maximum relative						
Minimum RH (%):48-	81%	humidity is expe						
Wind Direction: Sout	hwesterly	may from 27-39						
Cloud cover: Mainly o	clear	0			•			
Wind Speed: 2-4 km/	nr	southeasterly and southerly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly clear sky						
Rainfall: 00.0 mm		will prevail durin	ig the next five	days.	0			
		Weekl	y cumulative	rainfall: 10.0 1	mm			
NDVI for Mizoram		North East Region 13 April 2	⁰¹⁷ Moderately	wet mildly dr	y/mildly wet			
		23	conditions					
			0.3 L M					
		0.3-	0.5] 6					
		0.5- 0.6- >0.7	0.7 L va					
		Agriculture vigour is moderate over most of the parts	in North					
		Eastern state, whereas few patches in Assam, Mar Arunachal Pradesh shows good vigour.						
		1213	2		1.1.D			
			6		1 P a g e			



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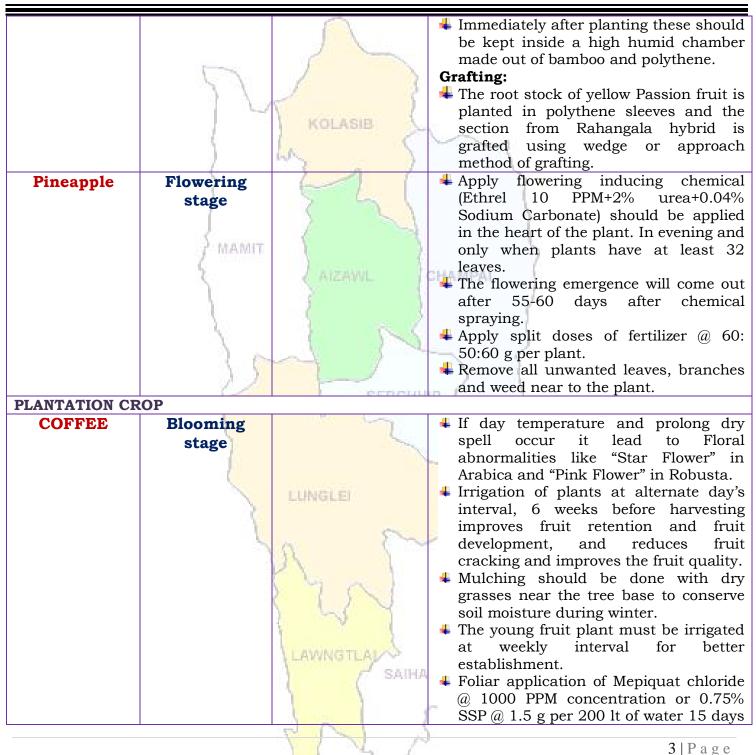
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Blage	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	inusballury auvisories
-		Diseases	
FRUITS CROPS	a iib 1	24	• Desit a stat strend to strends the
KHASI	Seedling	V	4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1. 0	4 In the citrus belt, trees can be planted
LIME)	Why is a	at any time, however, spring is the best
BANANA	S	2 1	time for container grown plants.
DANANA	1		Standard-size trees should be spaced
			12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	? MAMIT	1	exact distance depends on the variety.
	C and a second	in the second	The bigger the fruit, the farther
PLUM AND		(AIZAWL)	the distance. If the soil is not well-drained, plant the
PEACH		1 1 N	
	- (5	trees on a slight mound to prevent water logging.
	5	1 14	 In the second se
) &	AL IN	grasses near the tree base to conserve
	1.5		soil moisture during winter.
	0	SERCHH	
		(man	at weekly interval for better
		and the second	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	5	butterfly and leaf	borne disease. Lamon butterfly - Spray monocrotophos
	N.	minor 👡	@0.04% @1.2 ml/lt of water.
		$\alpha \qquad \gamma \sim$	Leaf minor- Spray confidor 0.05% (0.5
		21	ml/lit of water) at each flush
		1 7 all	emergence.
		(1)	4 Citrus Canker- Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Transplanting	And the second sec	High yielding mother vine with good
	stage	LAWNGTLAL	quality fruits and free of virus diseases
	6	/ SAIHA	
			4 A cutting should contain at least 3
		1	buds and must be planted in sand
		NA N	beds.
		YIN T	2 P a g e



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		0		interval.
Rubber	Nursery stage		-	Clearing operation may be done during
Rubbel	nuisery stage			the month of February to April.
			4	Make fire line to protect the young tree
	1 6	1 8	-	and seedlings.
		7	4	10-12 kg of well rotten organic manure
		KOLASIB	3	and 225 gm rock phosphate should be
			3	apply at time of planting to each pit as
	1	1495 ()		basal dose application.
CEREALS AND	PULSE CROPS			* *
Pre Kharif	Transplanting	5 5 0	4	Water level shall be maintained for
Rice	stage	5 51		better transplant.
	. C		4	Plough the field two to three times.
	7 MAMIT	1 2	4	According to weather forecast next five
	5	AIZAWIL I	-	days rainfall possibility is less so make
		Summer 1		a bun around the field and close all out
				late for well maintenance of water in
	1	1. 2. 1		the field.
	1		-	Transplant 2-3 seedlings in one place
	2.00	~ 1	-	for avoid gap filling.
	A 2		*	Spacing should be 20 cm row to row
	P	SERCHH	F.	and 15 cm plant to plant.
	1	Val	-	Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
onum Ricc				possibility of rainfall is very less and
	stage			maximum temperature will be high so
	1	LUNGLEI		maintain the moisture level in the field.
	2	and the second sec	4	If possible use straw mulch/ grass
		000		mulch in row to prevent moisture loss
		~ 1		and better growth of plant.
Maize	Vegetative		4	According to weather forecast
(Jhum)	stage	M AL		possibility of rainfall is very less and
		$\langle \rangle \rangle$		maximum temperature will be high so
				maintain the moisture level in the field.
			-	Earthing up soil for better growth and
		LAWNGTLAK	_	stability in root zone. Use split dose of any nitrogenous
		/ SAIHA	-	fertilizer for better growth.
			.	If possible use straw mulch/ grass
		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	mulch in row to prevent moisture loss
	1	201		materi in fow to prevent indistate 1055
		N L P		4 P a g e



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	TT (*		and better growth of plant.
Rabi Maize	Harvesting		Harvest all mature cobs from the plant.
	stage		Keep the cob for sun dry, so moisture
	1 1	1 3	level will be maintain.
	2 A.	- T	4 Thresh the seeds from cob and keep for
		KOLASIB	drying.
	4	1 HOLNOID	Dry straw should keep for mulching in
		I.A.	the field.
VEGETABLE CR			
Cowpea	Vegetative		According to weather forecast
	stage	2 5 1	possibility of rainfall is very less and
		2 21	maximum temperature will be high so
	Second and the second		maintain the moisture level in the field.
	J MAMIT	1	Earthing up soil for better growth and
	5	A AIZAWIL	stability in root zone.
			4 Use split dose of any nitrogenous
		1	fertilizer for better growth.
	1 () () () () () () () () () (If possible use straw mulch/ grass
	1		mulch in row to prevent moisture loss
		~ / ~	and better growth of plant.
Okra	Vegetative		4 According to weather forecast
	stage	SERCHH	possibility of rainfall is very less and
		No la	maximum temperature will be high so
			maintain the moisture level in the field.
	3		4 Earthing up soil for better growth and
			stability in root zone.
			Use split dose of any nitrogenous
		LUNGLEI	fertilizer for better growth.
	5		If possible use straw mulch/ grass
		~	mulch in row to prevent moisture loss
		$\alpha \qquad \qquad$	and better growth of plant.
Ginger and	Sowing stage		Rhizome should be treated with Thiram
turmeric		1 mal	@4 g/kg seed.
			✤ Use optimum seed rate (50-60 kg/ha)
		1 ~ 1	for desire plant population.
		1	Apply well decomposed FYM/ pig
		LAWNGTLAU	manure @ 10-20 t/ha along with
		A SAIHA	120:80:60 kg N, P_2O_5 and K_2O/ha
			incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
		X X A	5 D a g a
		1 1	5 P a g e



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NIMAL HUSBENDARY Fig All stages Fig All stages MAMIT All stages All stages All stages Forcine Prig All stages All stages All stages Forcine MAMIT All stages All stages Forcine Forcine Prig All stages All stages Forcine Forcine MAMIT All stage Forcine Forcine Fish oils are excellent for providin state of maintain. Porcine Reproductive Fespiratory Syndrome CHIP Forcine Reproductive Respiratory Syndrome CHIP Forcine Inclusion of pigs with SF vaccines at months and yearly interval/6 montiniterval Cattle All age group Foot and Mouth Fibro vaccine at 16 week and repeatered with Disease (FMD) Young stage Black Quarter FMD vaccine at 16 week and repeatered with or aboot spectration of month or aboot spectration of month or aboot spectration of month or aboot spectration for month or aboot spectration annually Poultry Litter State FMD vaccine at 16 week and repeatered for the mutrition of pigs repuire adequate space, sufficient feed to meet their mutrition for provide urea molassed treated padue space, sufficient feed to meet their mutrition for provide urea molassed				
NIMAL HUSBENDARY Pig All stages MANIT All stages Pig All stages MANIT As the weather gets colder, your pig energy requirement will increase, a they need more energy to keep warm. Regularly monitor their level of fitnes and increase their feed intake to maintain. Prince Porcine Reproductive Respiratory Syndrome CHIP Quarter (PRRS). 2. Vaccination of pigs with SF vaccines at months and yearly interval/6 month interval Adult stage Swine fever. All age group Foot and Month Disease (RMD) Young stage Black Quarter (BQ) Young stage Black Quarter (BQ) Poultry Litter management			0	
VIMAL HUSBENDARY Pig All stages MAMIT All stages Pig All stages MAMIT As the weather gets colder, your pig energy requirement will increase, a thereare more energy to keep warm. Regularly monitor their level of fitnes and increase their feed intake the adde advartage of a high level of omega-3. Porcine Reproductive Respiratory Syndrome CHP P Syndrome CHP (PRRS). 2. Vaccination of pigs with SF vaccines at months and yearly interval/6 montiniterval Cattle All age group All age group Foot and Mouth Disease (FMD) Young stage Black Quarter (BQ). Young stage Black Quarter (BQ). Poultry Litter management	Colocasia	Sowing stage		Planting is done well prepared land or pits filled up with FYM (12-15) t/ha
Similar Contracts Simontase Contracts Similar Contracts			1	
NIMAL HUSBENDARY Pig All stages MAIT All stages MANT As the weather gets colder, your pig energy requirement will increase, a they need more energy to keep warm. Regularly monitor their level of fitnes and increase their feed intake to maintain. Porcine Reproductive Respiratory Syndrome CHP (PRRS). Adult stage Swine fever. Adult stage Swine fever. All age group Foot and Mouth Disease (FMD) Young stage Black Quarter (BQ) Poultry Litter management		3 1	1 8	5-7 deep at a spacing of 40-50 cm
NIMAL HUSBENDARY Pig All stages MAMIT As the weather gets colder, your pig energy requirement will increase, at they need more energy to keep warm. Regularly monitor their level of fitnes and increase their feed intake to maintain. Porcine Reproductive Respiratory Synne fever. Adult stage Swine fever. Adult stage Swine fever. All age group Foot and Moth Due to prolong dry spell there is shortage of green grass in the field For balanced diet and nutrition tyour cattle, provide urea molasse treated paddy straw. All age group Young stage Black Quarter (BQ) Poultry Litter management			Vi comerciana de	between and within rows in the pits.
NIMAL HUSBENDARY Pig All stages MAMIT As the weather gets colder, your pig energy requirement will increase, a they need more energy to keep warm. Regularly monitor their level of fitnes and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. Porcine Reproductive			KOLASIB	4 Inorganic fertilizer like Urea, SSP and
Pig All stages MAMIT MAMIT MAMIT Regularly monitor their level of fitnes and increase their feed intake to maintain. Regularly monitor their level of fitnes and increase their feed intake to maintain. Porcine Reproductive Respiratory Syndrome (PRRS). Adult stage Swine fever. All age group LUNGLEI Young stage Young stage Poultry Litter management South Salid Salid Salid Salid Bick Quarter Vaccine (BQV). Poultry Litter management			La St	MOP @ 220: 375: 134 kg.
MAMIT Forcine Regularly monitor their level of fitnes and increase their feed intake to maintain. Porcine Fish oils are excellent for providin slow-release energy with the adde advantage of a high level of omega-3. Image: Porcine Reproductive Respiratory Syndrome of (PRRS). Adult stage Swine fever. Adult stage Swine fever. Adult stage Swine fever. All age group LUNGLE Young stage Foot and Mouth Young stage Black Quarter (BQ) Young stage Black Quarter (BQ) Young stage Same fever (BQ) Young stage Black Quarter their nutrition feed to meet their nutrition feed to me				
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Cattle Adult stage Swine fever. 2. Vaccination of pigs with SF vaccines at months and yearly interval/6 month interval Cattle All age group Foot and Mouth Disease (FMD) 9 9 Young stage Black Quarter (BQ) 9 9 9 Poultry Litter management Black Quarter (BQ) 9 9 Poultry Litter management Same 9 9		> MAMIT	1	
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Young stage Black Quarter (BQ) Black Quarter (BQ) Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply 				-
(BQ) Primary vaccination 6 month or above the second s		Young stage		
Poultry Litter Revaccination annually management SAHA Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supplier				
Poultry Litter management SAIHA Field to meet their nutritional requirements and an adequate supplication			the second s	
management feed to meet their nutritional requirements and an adequate supply	Poultry	Litter	The second se	Birds require adequate space, sufficient
requirements and an adequate suppl	-	management		feed to meet their nutritional
of good-quality water.		_		requirements and an adequate supply
			JALI	of good-quality water.
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		0	4	Good management and sanitation are
				the best ways to avoid infectious
				disease in poultry.
		1	4	Provide ample quantity of clean
	1 6	1 3		drinking water.
		V	4	Avoid feeding of mouldy feed. Don't
		KOLASIB	3	make sudden changes in feed
	Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
	measures	195 ()		days of birth and R ₂ B vaccine for adult
		2 1		birds.
			4	B complex with antibodies
		4 th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	7 MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	5	ATZ BAN	100	AMPAI
FISHERI	De 1	3 rd -4 th weeks		and the second sec
	Pond	3 rd -4 ^{ch} weeks	-	Application of fertilizers/manure helps in development of plankton which serve
	preparation	1. 8.11		as natural feed for the fishes.
	1 1	~ 1	-	Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year.
	$\left(\right)$			One third of the total dose should be
		SERCHH	PU	applied initially and the rest may be
	1	V~1_		applied in a spilt doses.
		U.	4	Single super phosphate should also be
			194	applied at the rate of 250 kg/ha in the
			1	pond.
		THURSDAY	4	After one week of application
		LUNGLEI	17	development of planktons could be
	1		1	observed in the pond depending on the
		· · · · · · · · · · · · · · · · · · ·	2	colour of the water. Yellowish green
		N N N	TR.	colour is an indicator of the good
		P N. Al	N.	plankton development.
		D T CCI	4	Transparency of the water needs to be
		1 62 9	1.1%	maintained at 30-40 cm.
			- 33	14. Jan 19. Ja
		LAWNGTLAN		
		A SAIHA		- V
		(SAINA)
			and the second	<
			1.1	<u>ي</u>
		1 2 1		
		2012	<u> </u>	7 P a g e



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

Guwahati)



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AIZAWL CHAMPAI

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei

Bulletin	No: -	698	/2017	/ Bull	etin/Mizo	
			1	200	1	

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	11 11	1	0					
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017			
Rainfall (mm)	0	0	4	0	6			
Max Temp (°C)	36	35	33	35	32			
Min Temp (°C)	22	22	22	23	23			
Cloud Coverage	Clear sky	Clear sky	Partially clear	Clear sky	Partially clear			
Max RH (%)	80	88	95	97	99			
Min RH (%)	27	30	34	34	39			
Wind Speed (KmpH)	2	4	2	2	2			
*Wind Direction	E	S-E	S	E	S-E			
Northe	rly- N, North-I	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,				
Souther	ly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.				
STATUS OF MONSO	OON- June 1-3	0, 2016 (Percent	of deviation fr	om normal in p	arenthesis)			
Aizawl- 384.87mm			Saiha- 307.40 n		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	of the past	06th Mav- 1	0^{th} May. 201	7 chhunga s	ik leh sa			
three days	s	dinhmun tur tlangpui						
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):83- Minimum RH (%):48-3 Wind Direction: South Cloud cover: Mainly of Wind Speed: 2-4 km/ Rainfall: 00.0 mm	6-20°C 1 99% 81% hwesterly clear hr	Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 32-36°C a ni ang a. A vawh lai ber in 22-23°C ni tura beisei a ni. RH san la berin 80-99% leh a hniam lai berin 27-39% ni tur a rir niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 10.0mm						
NDVI for Mizoram		North East Region 13 April 2 0 22-1 0 2-1 0 4-1 0 4-1 0 5-1 0 5-1	bree in know conditions 23 34 56 56 56 77 1 w 0 10 1	wet mildly dr				
		Y Y	Entre Contraction of the Contrac		1 Page			

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



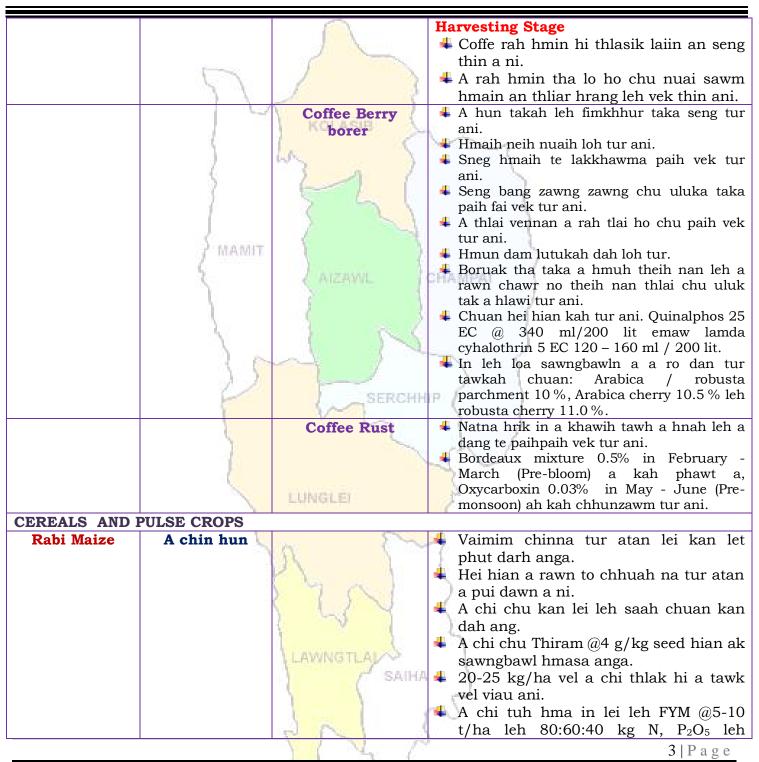
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 NOLNOID	velah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



Seuboon noo			 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAVIL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		6123	4 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM



Onion and capsicumNursery stagePoly houseHain an 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.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 vawn khawm hi tui pek zawhah dah tur ani.Thlai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1/zelah pawlh a kah hi a tha He ani.Phytopthora blightPhytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron/ kg seed hi a tha hle ani.French beanSowing stageTui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hina tha hei ani.Carrot and radishSowing stageTui pek hnihnah hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hina tha hia blu vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hina tha hia blu vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hina tur ani.Hali hi	IC.AR			
capsicumtui pek thin tur ani.capsicumtui pek thin tur ani.inim ring vawm khawm hi tui pek zawhah dah tur ani.inim ring vawm khawm hi tui pek zawhah dah tur ani.inim ring vawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightinim ring vawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightinim ring vawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightinim ring vawm khawm hi tui pek zawhah dah tur ani.French beanSowing stageCarrot and radishSowing stageLawnor LawnSowing stageLawnor Lawnor Lawn		2	I To had shared it that it shared to be a state of the st	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Hueh taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing stage4 Tui pek 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 			The second	 Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
Carrot and radish Sowing stage LAWNGTLASH A than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35	Phytopthora	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
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		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
		Sowing stage		 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
		•	201	



ICAR RESEARCH COMPLEX FOR NEH REGION

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



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
		PN	6 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	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	measures	hand {	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	AMIT	4 th weeks 4-5 th Weeks	 Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B₁₂
FISHERY	2		CHAMPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	Y	LUNGLEI	 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A VA	 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	



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: Mamit

Bulletin No: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017 07 05 2017

Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017	
Rainfall (mm)	0	4	12	11	15	
Max Temp (°C)	31	30	30	28	28	
Min Temp (°C)	21	22	22	23	23	
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	81	93	97	98	97	
Min RH (%)	38	36	49	43	49	
Wind Speed (KmpH)	4	4	5	4	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
	rlv- N. North	Easterly- N-E, Easterly-	-	-		
		Westerly- <mark>S-W</mark> , We				
STATUS OF MONSO						
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm	
(430.2mm)		(359.89mm)	(507.7n	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei	-326.00mm		nm Serchhip	-411.72mm	
(453.1mm)		(465.14mm)	(442.80n	nm)	(259.62mm)	
Weather summary	of the past	Weather fo	recast valid fr	om 06 th May, 2	2017 To	
three day	s		10 th May,	2017.		
Maximum Tem. (°C):2	29-31ºC	There are chance	es of moderate	to light rainfa	ll during the	
Minimum Tem. (°C):1	7-20°C	next 4 days. The maximum and minimum temperatures for				
Maximum RH (%):89-	98%	the next 5 days may range for 28-31°C and 21-23°C.				
Minimum RH (%):52-	75%	Maximum relativ	<i>v v</i>			
Wind Direction: sout	heasterly		2	-	0	
Cloud cover: Mainly of		98% and minimum may from 36-49%. Wind direction would be southeasterly with the wind speed of 4-5 km per				
Wind speed: 2-3 km/	hr	hour. Partially clear will prevail during the next five days.				
		nour. Fartiany ci	ear win prevan	during the nex	a nve days.	
Rainfall: 02.3 mm		Westel				
		ωεεκι	y cumulative i	rainfall: 42.0	mm	
		North East Region 13 April 2			/ 11 11	
NDVI for Mizoram		North East Region 13 April 2	5	wet mildly dr	y/mildly wet	
		5	conditions			
			^{0.3}] м			
			0.5] G			
		₩ ∰ >0.7	j ∨e			
		Agriculture vigour is moderate over most of the parts Eastern state, whereas few patches in Assam, Mar	in Nort) lipur an			
		Arunachal Pradesh shows good vigour.				
		1 N	1		1 Page	
			2			



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



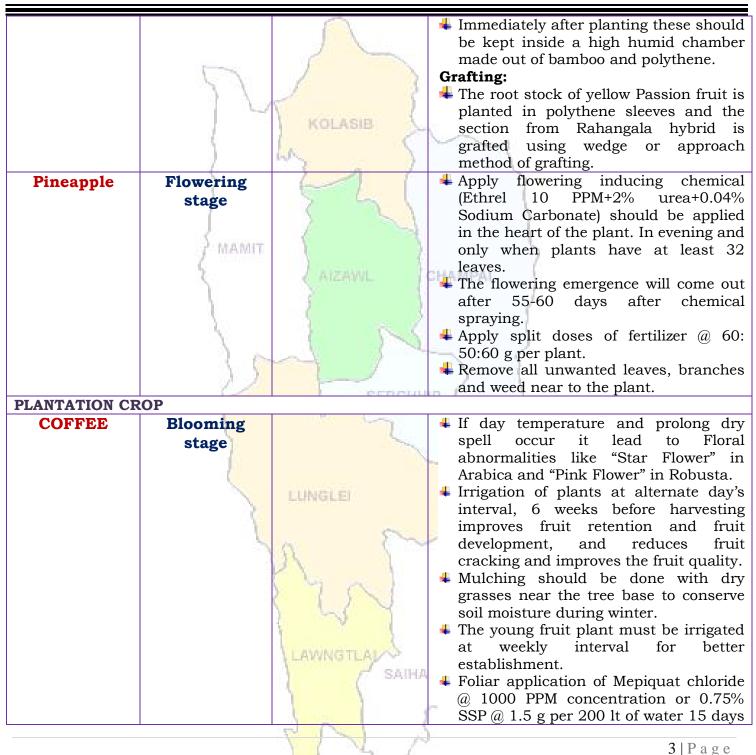
Main Cron/	Store	Cultural	Agricultural / Hosticultural / asimal
Main Crop/	Stage		Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1.02	
KHASI	Seedling	E D	4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	4 In the citrus belt, trees can be planted
LIME	0	6	at any time, however, spring is the best
	(5 1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	AMAT	1	exact distance depends on the variety.
	 Allineerin 	λ	The bigger the fruit, the farther
PLUM AND	20	& AIZAWL I	the distance.
PEACH		2	4 If the soil is not well-drained, plant the
FEACH		()	trees on a slight mound to
	4		prevent water logging.
		1 1 1	4 Mulching should be done with dry
	No. 17		grasses near the tree base to conserve
	12		soil moisture during winter. The young fruit plant must be irrigated
	1	SERCHH	at weekly interval for better
		No. Log	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	2	butterfly and leaf	borne disease.
		minor	Lamon butterfly- Spray monocrotophos
	5 C	a (~	@0.04% @1.2 ml/lt of water.
		1	Leaf minor - Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		1 1 1 1	emergence.
) 55 7	Citrus Canker - Apply bacterimycin
Deceior Errit	Trangelanting		@0.6 g/lt of water.High yielding mother vine with good
Passion Fruit	Transplanting	LAWNGTLAN	quality fruits and free of virus diseases
	stage	- SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		1211	beds.
		1 4	2 P a g e



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		0		interval.
Rubber	Nursery stage	and Annual and	4	Clearing operation may be done during
				the month of February to April.
		1		Make fire line to protect the young tree
	1 6	1		and seedlings.
		Vi manager de		10-12 kg of well rotten organic manure
		KOLASIB		and 225 gm rock phosphate should be
	1	(apply at time of planting to each pit as
	1	WS ()		basal dose application.
CEREALS AND	PULSE CROPS			
Pre Kharif	Transplanting		4	Water level shall be maintained for
Rice	stage			better transplant.
Mice	Stage			Plough the field two to three times.
	? MAMIT	Y Y		According to weather forecast next five
	(harden a		days rainfall possibility is less so make
	5	AIZAWIL		a bun around the field and close all out
	1			late for well maintenance of water in
	\	5		the field.
	1	1 155	4	Transplant 2-3 seedlings in one place
		~ 1 / ×		for avoid gap filling.
	A 8		4	Spacing should be 20 cm row to row
	02	SERCHH	10	and 15 cm plant to plant.
		(man	4	Keep some seedlings in nursery or
		121 122		corner of the field for gap filling.
Jhum Rice	Germination	× 1		According to weather forecast
	stage			possibility of rainfall is very less and
				maximum temperature will be high so
		LUNGLEI		maintain the moisture level in the field.
	5			If possible use straw mulch/ grass
	N.	22		mulch in row to prevent moisture loss
		$\alpha \qquad \gamma \sim$		and better growth of plant.
Maize	Vegetative	N N		According to weather forecast
(Jhum)	stage	1 9 all		possibility of rainfall is very less and
	5	(\cup)		maximum temperature will be high so
				maintain the moisture level in the field.
				Earthing up soil for better growth and
		LAWNGTLAV		stability in root zone. Use split dose of any nitrogenous
		/ SAIHA		fertilizer for better growth.
				If possible use straw mulch/ grass
				mulch in row to prevent moisture loss
		2 6		multin in tow to prevent moisture loss
		VIN P		4 P a g e



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			and botton mounth of plant
Rabi Maize	Uomosting		and better growth of plant.Harvest all mature cobs from the plant.
Radi Maize	Harvesting		I I I I I I I I I I I I I I I I I I I
	stage		Keep the cob for sun dry, so moisture
	1 1	1	level will be maintain.
	2 A.S	- F	Thresh the seeds from cob and keep for
		KOLASIB	drying.
	1		Dry straw should keep for mulching in
		I K	the field.
VEGETABLE CR			
Cowpea	Vegetative		According to weather forecast
	stage	2 5 5	possibility of rainfall is very less and
		2 21	maximum temperature will be high so
	Same		maintain the moisture level in the field.
	J' MAMIT	1	Earthing up soil for better growth and
	2	A AIZAWL I	stability in root zone.
		No. of the second se	Use split dose of any nitrogenous
		2	fertilizer for better growth.
	1	1 /	If possible use straw mulch/ grass
	1		mulch in row to prevent moisture loss
		~ 1~	and better growth of plant.
Okra	Vegetative		According to weather forecast
	stage	SERCHH	possibility of rainfall is very less and
	1	12-1	maximum temperature will be high so
			maintain the moisture level in the field.
			Earthing up soil for better growth and
			stability in root zone.
		111111111111111111111111111111111111111	4 Use split dose of any nitrogenous
		LUNGLEI	fertilizer for better growth.
	3		If possible use straw mulch/ grass
		~	mulch in row to prevent moisture loss
~		Λ χ \sim	and better growth of plant.
Ginger and	Sowing stage		Rhizome should be treated with Thiram
turmeric		M M AL	a @4 g/kg seed.
	9		Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
			Apply well decomposed FYM/ pig
		LAWNGTLAN	manure @ 10-20 t/ha along with
		/ SAIHA	120:80:60 kg N, P_2O_5 and K_2O/ha
			incorporate with soil before sowing.
			Half nitrogen dose will use at the time
		JAL (of sowing and remaining 25% after one
		VIN A	aned 12
		1 2 0	5 P a g e



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Colocasia ANIMAL HUSBE	Sowing stage	KOLASIB	 month and 25% at flowering stage. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
	(16.5)		As the weather gets colder your pige'
Pig	All stages	Porcine Reproductive Respiratory Syndrome CHH	 As the weather gets colder, your pigst energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. Culling of positive pigs or piglets.
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		• Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management	SAIHA	Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.
		VIN A	6 P a g e



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		0	4	Good management and sanitation are
				the best ways to avoid infectious
				disease in poultry.
		1	4	Provide ample quantity of clean
	1 6	1 8		drinking water.
	13	V	4	Avoid feeding of mouldy feed. Don't
		KOLASIB	31	make sudden changes in feed
	Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
	measures	WS ()		days of birth and R ₂ B vaccine for adult
		2 1		birds.
		5 6 6	4	B complex with antibodies
		4 th weeks	4	Coccidiosis- Amprolium or
	1			coccidiostat
	T MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	5		100	
1.011///1	Pond	3 rd -4 th weeks		Certification of the second
		3 ^{ra} -4 ^{ch} weeks	-	Application of fertilizers/manure helps in development of plankton which serve
	preparation			as natural feed for the fishes.
			-	Raw cowdung should be applied in the
	2.0	~ 1		pond at the rate of 10 tonnes/ha/year.
	2.2			One third of the total dose should be
	E Contraction of the second se	SERCHH	P)	applied initially and the rest may be
		No la		applied in a spilt doses.
		L.	4	Single super phosphate should also be
			129	applied at the rate of 250 kg/ha in the
			100	pond.
		1000000000	4	After one week of application
	<u> </u>	LUNGLEI	1	development of planktons could be
	1		10	observed in the pond depending on the
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2	colour of the water. Yellowish green
	- 1	1		colour is an indicator of the good
		P N	N.	plankton development.
		1 7 001	4	Transparency of the water needs to be
		1 Li Y	1	maintained at 30-40 cm.
			- 33	<u>E.</u>
		LAWNGTLAL		
		A SAIHA		
		I (SAINA		
			Ania	7
		1 2 1		
		1 1 2)	
				7 P a g e



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District: Mamit

Bulletin No: - 698/2017/ Bulletin/Mizo	
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Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	1 1	R.			
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017
Rainfall (mm)	0	4	12	11	15
Max Temp (°C)	31	30	30	28	28
Min Temp (°C)	21	22	22	23	23
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	81	93	97	98	97
Min RH (%)	38	36	49	43	49
Wind Speed (KmpH)	4	4	5	4	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E
	ly- <mark>S</mark> , South-W	Easterly- N-E, Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	grouth agin)
Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm	Champhai	- 105.48mm (359.89mm)	Saiha- 307.40 n (507.7r Mamit-204.87n	nm Kolasib- nm)	236.00mm (428.1mm) -411.72mm
(453.1mm)		465.14mm)	(442.80r	-	(259.62mm)
Weather summary	, `		· · · · · · · · · · · · · · · · · · ·		· /
three day		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	7 chhunga s	sik len sa
_			dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):89- Minimum RH (%):52- Wind Direction: south Cloud cover: Mainly of Wind speed: 2-3 km/3 Rainfall: 02.3 mm	7-20°C 1 98% 75% 1 heasterly 2 clear 4	Fun ni 4 chhur tura beisei a ni. 1 vawh lai ber in berin 81-98% le niin. Thli hi dar awi zawngin a tle hian khawthiang Weekl	Khua a lum lai 21-23°C ni tu h a hniam lai kar khatah 4-5 ch rin a ni. A tl g tak hmuh bei	berin 28-31ºC ura beisei a ni berin 36-49% 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 13 April 2 13 derived 13 derived	Arren of Conditions	wet mildly dr	
			5		1 Page

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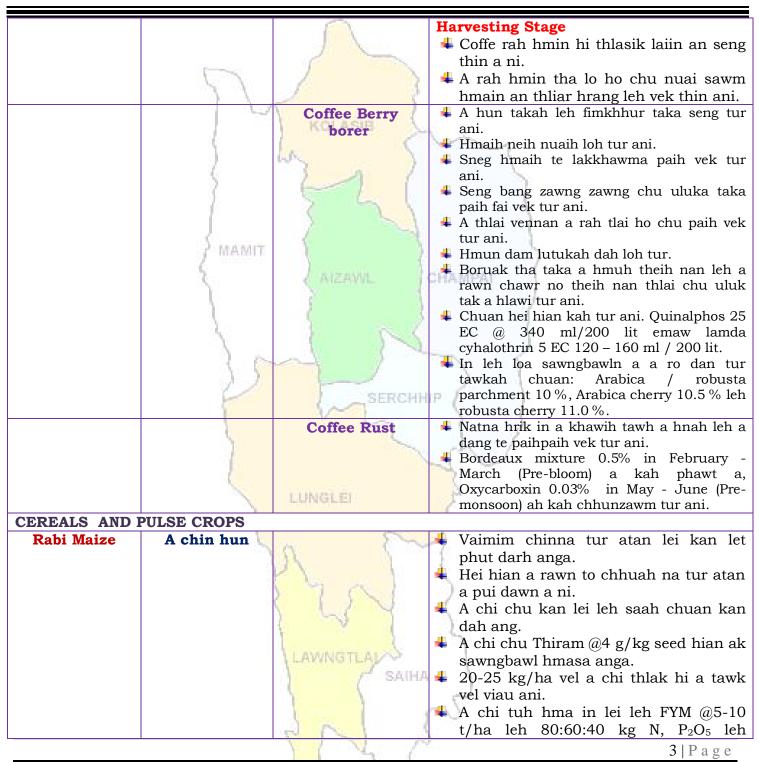
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID	3	1 NOLNOID >	velah dahkhawm tur ani.		
LIME		La N	4 Thlai naupang deuah chuan chawlh		
	6	3 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		
		\geq	te thlawhfai thin tur ani.		
STAR FRUIT	Summar		4 A seng hma kar 6 chhung chu tui tha		
	J' MAMIT	1	taka pek hian a rah tla tur chelh nan		
	2	L AIZAVIL I	leh a rah than that nan te leh a rah		
PLUM AND			keh tur lakah t a veng thei ani.		
PEACH					
	2	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang		
		canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh		
	1.0	greening and	a trangah te hnawih tur ani.		
		Dieback			
	P	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a		
			rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2		
			percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR	OP				
COFFEE	All stages	CHING/CEL	Nursery stage		
			👎 Thlai chi thlak hma in Azospirillum leh		
	L.	~ ~	冯 Phosphobacterium a enkawl tur ani.		
			🖊 A chi hi December – January ah hmun		
			xawl/rualrem 1.5 - 2.5 cm a in hlatin		
			刘 tlar mumal tak siam in chin tur ani.		
			🖊 Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		L'ananimma and	Nitin tui pek tur ani a, a sat lutuka loh		
		LAWNGTLAK	nan niin a chhun loh nan zar hliah tur		
		/ SAIHA	unit.		
			4 Ni 45 hnu velah a tiak thin a,chu chu		
		the second se	bag ah an sawn chhuak leh thin ani.		
		11 4 /	2 P a g e		



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K ₂ O/ha pawlh chu hman phaw ni. Nitrogen dose chanve chu a hunlaia hman tur a ni a, ticl bang 25% chu thla khat hnu ang a adang leh 25% chu a par	chi tuh huan a ah ani
hman tur a ni.	
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellowAll stageZero tillage Lei villageA than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat tui pek thin tur ani.Image: A than a that theih nan nikhat 	veng ve tur ven
Potato Sowing stage Muangchang loving alu chin chu buatsaih vat tur ani. Hei hian a than hun laiin natna lakah a veng dawn ani. Hei hian a than hun laiin natna lakah a veng dawn ani. Lei leh hmain a hmun hma taka thlawh hmasak tur ani. A chi thlak hma in a chi chu hmasak tur ani. Kegetable CROP Kegetable CROP	a hrikin chu fai en fiah
Tomato Bacterial Blight disease Tomato bikah chuan sik leh natna an kaina tlang lawn ber a Hmun hnawng leh ni hmu le hmunah chuan natna an kai h ani. Tomato bikah chuan sik leh natna an kaina tlang lawn ber a Hmun hnawng leh ni hmu le hmunah chuan natna an kai h ani. Tomato bikah chuan sik leh natna an kaina tlang lawn ber a Hmun hnawng leh ni hmu le hmunah chuan natna an kai h ani. Tomato hi a uai a, a thih mai I Ridomil emaw Indofil emaw Ma (@ 2 gm hi tui liter 1 ah pawlh tur ani .	ni . o lutuk 1ma bik loh nan ancozeb
Early Cole crop Black spot disease A than a that theih nan nikhat tui pek thin tur ani. LAWNGTLAY A than a that theih nan nikhat tui pek thin tur ani. LAWNGTLAY A than a that theih nan nikhat tui pek thin tur ani. LAWNGTLAY A than a that theih nan nikhat tui pek thin tur ani. LAWNGTLAY A than a that theih nan nikhat tui pek thin tur ani. LAWNGTLAY A than a that theih nan nikhat tui pek thin tur ani.	lai bula tui pek
Zikhlum lam chi ah chuan sa vangin a hnah ah thil dur	



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Onion and capsicum Nursery stage Poly house A than a that thein nan nikhat danah tu pek thin tur ani. Thlai bul vawu hnawn nana thlai bula hnim ring vawu hhawn hi tu pek tawhah dah tur ani. Thai bul vawu hnawn nana thlai bula hnim ring vawu hhawn hi tu pek tawhah dah tur ani. Phytopthora blight Phytopthora blight A chi veri that nan thiram 3g/kg seed maw Trichoderma vinde 4gr metalaxyl 4g (Aprony) kg seed hi a tha he ani. Henet taka 1%. Bordeaux chawhpawh a kah hi a tha Hinah hringa khuh tur ani a. than a that thein nan tui pek maw 2 g captan emaw 3 copper oxychoride a tui liter 1 hi 10-15 DAS a pek hi a tha he ani. Hund tur ani. Tui pek a hinimah hringa khuh tur ani a. thana a that thein nan tui pek ham in a tur ani. A than a that thein nan nikhat danah tu pek a nihimah hringa khuh tur ani a. thana a that thein nan tui pek ham in lei vur chhoh zel tur ani. A than a that thein nan nikhat danah tu pek han tur ani. A than a that thein nan nikhat danah tu pek han tur ani. A than a that a chi lan chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tianglawn ber ani. Tui pek hnuah thai bul vawn hnawn na tur agi a hnah ah thil dum a rawn awm thina, hei hi natna tianglawn ber ani. Thila ihna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. 	<i>wak</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. MAMIT Amit init ibula hnim ring vawn khawm hi tui pek zawhah dah tur ani. Phytopthora blight Phytopthora blight Phytopthora blight 4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani. French bean Sowing stage Carrot and radish Sowing stage Lawnot Law	Onion and		a to be been a bell and	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageFrench beanSowing stageemaw 12 g captan emaw 3 copper yxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle 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 huah thai bul vawn hnawn 			AIZAVIL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.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 radish<		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			4 M 2	5 P a g e



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



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basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	measures	hand {	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	Ł	4 th weeks	Coccidiosis - Amprolium or coccidiostat
	/ MAMIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	A AIZAWIL I	CHAMPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	7 Page



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Guwahati)



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1 | P a g e

District: Saiha

Period: 06 May - 10 May, 2017

Bulletin No: - 698/2	017/ Bulletii	n/English	Date of is	sue: 05 th May	, 2017	
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017	
Rainfall (mm)	0	0	0	0	3	
Max Temp (°C)	35	34	34	34	32	
Min Temp (°C)	22	21	21	22	23	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear	
Max RH (%)	78	84	90	93	98	
Min RH (%)	22	24	30	29	33	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	E	E	E	E	E	
		Easterly- <mark>N-E</mark> , Eas	· · · · · · · · · · · · · · · · · · ·	•		
		Vesterly- <mark>S-W</mark> , We				
STATUS OF MONSO						
Aizawl- 384.87mm	· · · · · · · · · · · · · · · · · · ·		<mark>Saiha</mark> - 307.40 n		- 236.00mm	
(430.2mm)		(359.89mm)	(507.7r		(428.1mm)	
Lawngtlai-291.20mm			Mamit-204.87n		p-411.72mm	
(453.1mm)		465.14mm)	(442.80r		(259.62mm)	
Weather summary	-	Weather fo	recast valid fr	· · · · · · · · · · · · · · · · · · ·	2017 То	
three day			10 th May,			
Maximum Tem. (°C):2		There is no chai		0	~	
Minimum Tem. (°C):1		maximum and n				
Maximum RH (%):76-	- - - - - - - - - -	may range for 3				
Minimum RH (%):48-		humidity is expe	cted in the ran	ge of 78-98% a	and minimum	
Wind Direction: Sout	•	may from 22-33	%. Wind direct	tion would eas	terly with the	
Cloud cover: Mainly of Wind Speeds 0.4 http://		wind speed of 2 km per hour. Mainly clear sky will prevail				
Wind Speed: 2-4 km/	nr	during the next five days.				
Rainfall: 00.0 mm		0	5			
Kaiman. 00.0 mm		Weekl	y cumulative	rainfall: 03.0	mm	
NDVI for Mizoram		North East Region 13 April 2	Moderately	wet mildly d	ry/mildly_wet	
		and a	conditions	wet minuty u	ry/iiiidiy wet	
			bare soil backgroi			
		0.5-	0.6 J Ve			
		>0.7	1			

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Agriculture vigour is me Eastern state, whereas



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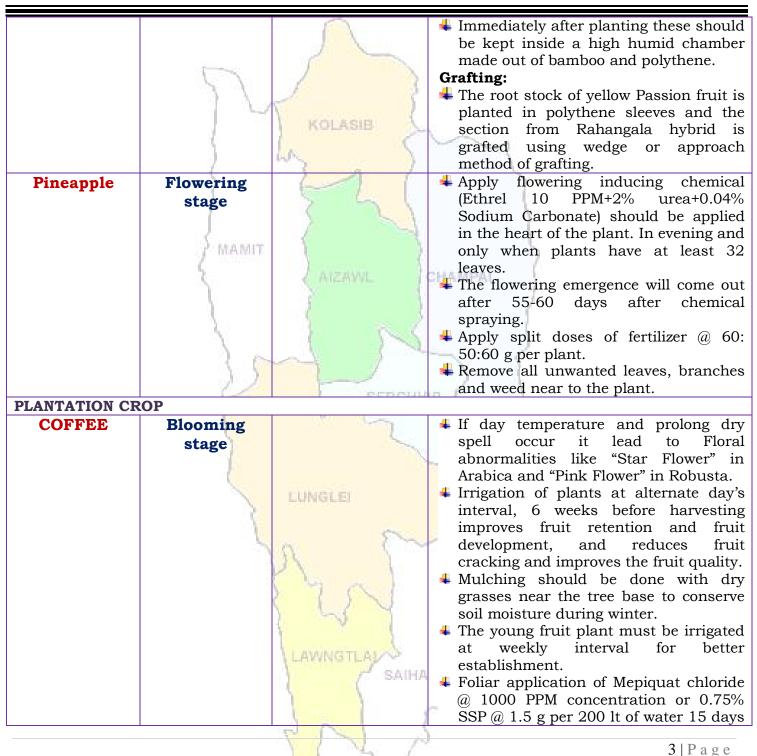
Main Oren /	Store	Cultural	Agriculturel / Henticulturel / opined
Main Crop/	Stage		Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	4 In the citrus belt, trees can be planted
LIME	J	WALL N	at any time, however, spring is the best
	() () () () () () () () () () () () () (5 1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	f i i i i i i i i i i i i i i i i i i i		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	> MAMIT	1	exact distance depends on the variety.
	2 ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	A Construction of the second sec	The bigger the fruit, the farther
PLUM AND	2	A AIZAWL	the distance.
PEACH		1	4 If the soil is not well-drained, plant the
PEACH		1 ()	trees on a slight mound to
	4	1 6 6	prevent water logging.
		1 1 1	4 Mulching should be done with dry
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		grasses near the tree base to conserve
	12		soil moisture during winter.
	1	SERCHH	The young fruit plant must be irrigated at weekly interval for better
		No log	establishment.
	-	Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
	1	greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	2	butterfly and leaf	f borne disease.
	1	minor excel	Lamon butterfly- Spray monocrotophos
	5	N 200	@0.04% @1.2 ml/lt of water.
		1	Leaf minor - Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1 5	emergence.
		1 45 7	Citrus Canker- Apply bacterimycin @0.6 g/lt of water.
Passion Fruit	Trongalanting		High yielding mother vine with good
rassion rruit	Transplanting	LAWNGTLAL	quality fruits and free of virus diseases
	stage	/ SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		1211	beds.
L			
			2 P a g e



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		~		intorvol
Rubber	Numeror store		_	interval. Clearing operation may be done during
Rubber	Nursery stage	1	-	the month of February to April.
				Make fire line to protect the young tree
	1 1	5 5	-	and seedlings.
	1 2			10-12 kg of well rotten organic manure
		KOLASIB	a 🗍	and 225 gm rock phosphate should be
			8	apply at time of planting to each pit as
		WA 3		basal dose application.
CEREALS AND	PULSE CROPS			
Pre Kharif	Transplanting		4	Water level shall be maintained for
Rice	stage			better transplant.
Ricc	stage		4	Plough the field two to three times.
	7 MAMIT	Y).		According to weather forecast next five
	Contraction and the second	Transaction 1	2	days rainfall possibility is less so make
	N	A AIZAWIL	-	a bun around the field and close all out
	1	1		late for well maintenance of water in
	1			the field.
	1	1 555	4	Transplant 2-3 seedlings in one place
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Come:	for avoid gap filling.
	A . Y		4	Spacing should be 20 cm row to row
	0	SERCHH	10	and 15 cm plant to plant.
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- <b>-</b>	Keep some seedlings in nursery or
				corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
	stage			possibility of rainfall is very less and
		0000055355		maximum temperature will be high so
		LUNGLEI		maintain the moisture level in the field.
	1		-	If possible use straw mulch/ grass
		S~	-	mulch in row to prevent moisture loss and better growth of plant.
Maize	Vogetativo	A Sector		According to weather forecast
(Jhum)	Vegetative	PN I	-	possibility of rainfall is very less and
(onung	stage	125		maximum temperature will be high so
		1 La Y		maintain the moisture level in the field.
		A MARINE	4	Earthing up soil for better growth and
		LAWNGTLAL		stability in root zone.
			4	Use split dose of any nitrogenous
		C SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 122	1	mulch in row to prevent moisture loss
				4 P a g e



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		<u> </u>	and better growth of plant.
Rabi Maize	Harvesting		4 Harvest all mature cobs from the plant.
	stage	The second	4 Keep the cob for sun dry, so moisture
	10	1 2	level will be maintain.
		1	4 Thresh the seeds from cob and keep for
	1	Vi construction de	drying.
		KOLASIB	Let Dry straw should keep for mulching in
	1	La S	the field.
VEGETABLE CR	OP		
Cowpea	Vegetative		4 According to weather forecast
_	stage	5 5 6	possibility of rainfall is very less and
		5 51	maximum temperature will be high so
	C.C.		maintain the moisture level in the field.
	7 MAMIT	X 2	4 Earthing up soil for better growth and
	5	AIZAWIL	stability in root zone.
		C memore 1	4 Use split dose of any nitrogenous
	1	5	fertilizer for better growth.
	1	1 S	If possible use straw mulch/ grass
	1	1 1	mulch in row to prevent moisture loss
		AL SA	and better growth of plant.
Okra	Vegetative		4 According to weather forecast
	stage	SERCHH	possibility of rainfall is very less and
		12 Series	maximum temperature will be high so
		and the second	maintain the moisture level in the field.
	1	5	Earthing up soil for better growth and
			stability in root zone.
			4 Use split dose of any nitrogenous
		LUNGLEI	fertilizer for better growth.
	5		Figure 16 If possible use straw mulch/ grass
		000	mulch in row to prevent moisture loss
	<u></u>	\sim	and better growth of plant.
Ginger and	Sowing stage	1	Rhizome should be treated with Thiram
turmeric		Char and D	@4 g/kg seed.
		2 1 5 1	🖊 Use optimum seed rate (50-60 kg/ha)
) ~]	for desire plant population.
		A Constant	Apply well decomposed FYM/ pig
		LAWNGTLAN	manure @ 10-20 t/ha along with
		AIHA	120:80:60 kg N, P_2O_5 and K_2O/ha
			incorporate with soil before sowing.
			Half nitrogen dose will use at the time
		1 122	of sowing and remaining 25% after one
		4 1 V)
			5 P a g e



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Colocasia	Sowing stage		 month and 25% at flowering stage. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted
			 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages	AIZAWL	 As the weather gets colder, your pigs energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness and increase their feed intake to maintain.
			Fish oils are excellent for providing slow-release energy with the addec advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	2 0	Reproductive	
	22	Respiratory	
	F	Syndrome CHH (PRRS).	3 3
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		• Due to prolong dry spell there is a shortage of green grass in the field For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repea every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management	SAIHA	Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply of good-quality water.
		STREET STREET	



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Pond 3rd-4th weeks Application of fertilizers/manure help in development of plankton which serv as natural feed for the fishes. Raw cowdung should be applied in th 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. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. LUNGLE After one week of application development. Transparency of the water needs to be maintained at 30-40 cm. 					
Preventive measures 0-3 rd week Image: sudden changes in feed Preventive measures 0-3 rd week Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudden changes in feed Image: sudem changes in feed Image: sudem changes in feed Image: sudem changes in feed Image: sudem changes in feed Image: sudem changes in feed Image: sudem change in flag Image: sudem changes in feed Image: sudem changes in fee			0	4	Good management and sanitation are
Image: state of the state					-
 Preventive measures Preventive measures Ath weeks Preventive measures Ath weeks Ath weeks Ath weeks Coccidiosis- Amprolium o coccidiosist Coccidiosis- Amprolium o coccidiosist Coccidiosis- Amprolium o coccidiosist Calcium tonic fortified with B12 FISHERY Pond preparation 3rd.4th weeks Calcium tonic fortified with B12 FISHERY Concertified with B12 Champain Article Application of fertilizers/manure help in development of plankton which serv as natural feed for the fishes. Raw cowdung should be applied in th pond at the rate of 10 tonnes/ha/yeau one third of the total doses. Seried After one week of application development of planktons could b observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the goo plankton development. Transparency of the water needs to b maintained at 30-40 cm. 			2		5
Preventive measures 0-3 rd week 4 word feeding of mouldy feed. Don make sudden changes in feed Preventive measures 0-3 rd week Ranikhet Disease- FI vaccine at (1-6 days of birth and R ₂ B vaccine for adulbirds.) 4 th weeks E complex with antibodies 4 th weeks Coccidiosis- Amprolium on coccidiostat 7 SthERY Att weeks Clacium tonic fortified with B12 FISHERY Ard 4th weeks Application of fertilizers/manure help in development of plankton which serv as natural feed for the fishes. SERCH SerCH SerCH Single super phosphate should also b applied in a spilt doses. Single super phosphate should also b applied in a spilt doses. LUNGLEI After one week of application of the water. Yellowish greet colour is an indicator of the goot plankton development. Transparency of the water needs to b maintained at 30-40 cm.				-	
Preventive measures 0-3 rd week 4 hvoid feeding of mouldy feed. Don make sudden changes in feed Preventive measures 0-3 rd week 4 Ranikhet Disease-F1 vaccine at (1-6 days of birth and R ₂ B vaccine for adulbirds. 4 th weeks B complex with antibodies 4 Coccidiosis- Amprolium o coccidiostat 4 th weeks 4 Coccidiosis- Amprolium o coccidiostat 9 Pond preparation 3 rd 4 th weeks 4 Calcium tonic fortified with B ₁₂ FISHERY Active 4 Application of fertilizers/manure help in development of plankton which serv as natural feed for the fishes. 9 Pond preparation 3 rd 4 th weeks 4 Raw cowdung should be applied in th pond at the rate of 10 tonnes/ha/year One third of the total dose should b applied in a spilt doses. 4 Single super phosphate should also b applied at the rate of 250 kg/ha in th pond. 4 After one week of application development. 4 After one week of application development. Transparency of the water needs to b maintained at 30-40 cm.		1 1	1 5	-	1 1 5
Preventive measures 0-3 rd week make sudden changes in feed Preventive measures 0-3 rd week # Ranikhet Disease- F1 vaccine at (1-6 days of birth and R2B vaccine for adul birds. 4th weeks # Coccidiosis- coccidiosisat Amprolium o coccidiostat 4-5th Weeks # Calcium tonic fortified with B12 FISHERY CHAMPAI Pond preparation 3rd-4th weeks Fishery Application of fertilizers/manure help in development of plankton which serv as natural feed for the fishes. Raw cowdung should be applied in th pond at the rate of 10 tonnes/ha/year One third of the total dose should be applied in a spilt doses. Single super phosphate should also b applied at the rate of 250 kg/ha in th pond. UNGLE # After one week of application development of planktons could bo observed in the pond depending on th colour of the water. Yellowish greet colour is an indicator of the goo plankton development. Transparency of the water needs to b maintained at 30-40 cm.		1 New	5		
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LAWNGTLAN				-	
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			LAWNGTLAL		
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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

Bulletin	No: -	698/201	7/ Bull	letin/Mizo
			A.S. (A.)	10 A

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	N 11	P.	()		
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017
Rainfall (mm)	0	0	0	0	3
Max Temp (°C)	35	34	34	34	32
Min Temp (°C)	22	21	21	22	23
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear
Max RH (%)	78	84	90	93	98
Min RH (%)	22	24	30	29	33
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	E	E
	rly- <mark>S</mark> , South-W	Easterly- N-E, Eas Vesterly- <mark>S-W</mark> , We	sterly-W, Nort	h-westerly- N-V	7.
Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai (Lunglei-	- 105.48mm 8 359.89mm)	5 aeviation j Saiha- 307.40 (507.7 Mamit-204.87) (442.80	mm Kolasi mm) mm Serchh	b- 236.00mm (428.1mm) ip-411.72mm (259.62mm)
Weather summary	`	06 th May- 1	<u> </u>		· · · · · · · · · · · · · · · · · · ·
three day	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	dinhmun tu		SIK ICII Sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):92- Minimum RH (%):48- Wind Direction: Sout Cloud cover: Mainly o Wind Speed: 2-4 km/ Rainfall: 00.0 mm	6-18°C t 98% v 89% l heasterly f clear 2	Fun ni 1 chhun cura beisei a ni. 1 vawh lai ber in berin 78-98% le niin. Thli hi dark zawngin a tleh n nian khawthiang Weekl	Khua a lum la 20-22°C ni t h a hniam la car khatah 2 k cin a ni. A tla g tak hmuh be	i berin 32-35% tura beisei a i berin 22-33% tm vela chakin angpuiin tun r	C a ni ang a. A ni. RH san lai % ni tur a rin chhaklam awi ni nga chhung
NDVI for Mizoram		North East Region 13 April 20 13 April 20 14 April 20 15 April 20 15 April 20 16 April 20 17 April 20 18 April 20 19 April 20 10 April 20 19 April 20	Abre will Conditions 33 M 34 F 35 F 36 F 37 F in North In North	v wet mildly o	lry/mildly wet
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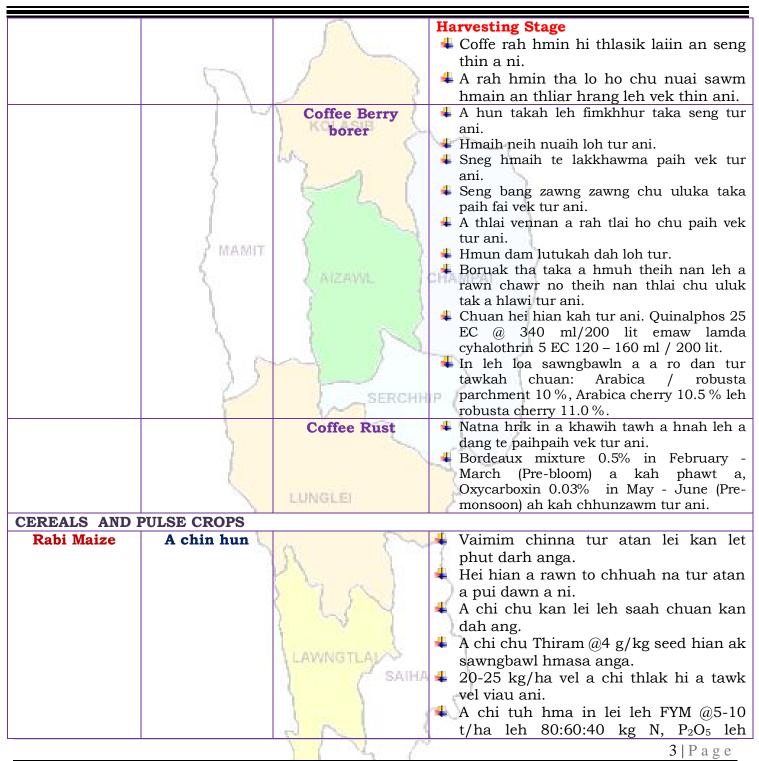
		1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	3	Normoin 2-	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 1	theihna turin a hmunhma a hnim awm
		1	te thlawhfai thin tur ani.
STAR FRUIT	2 MAMIT		4 A seng hma kar 6 chhung chu tui tha
	2 manual to		taka pek hian a rah tla tur chelh nan
PLUM AND	2	(AIZAWL)	leh a rah than that nan te leh a rah
PEACH	1		keh tur lakah t a veng thei ani.
РЕАСП		Cummonia citarua	4 Temperture hniam lutuk leh hnawng vang
	4	Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Dieback	a trangah te hnawih tur ani.
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
	1	CALL REACHH	rah tan tirin chawlhkar hnih chhung chu
		No. Com	heng te hian enkawl tur ani: carbaryl 0.2
		5	percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
DI ANTATION OD	0.0		10 g/l.
PLANTATION CR		EGINGEEL	
COFFEE	All stages		Nursery stage
	1	20	Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.
	2	α $\langle \sim$	A chi hi December – January ah hmun
		21	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		19 AL	tlar mumal tak siam in chin tur ani.
		()	4 Chuan a chi chu lei tlem te a chhilh a
		1 20 1	buhpawla khuh tur ani.
			4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAV	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
I		PAL	
		N N N	2 P a g e



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Seuboon noo			 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAVIL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAU	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		4 1 V 3	4 P a g e



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Onion and capsicum Nursery stage Poly house Image: A then a that theih nan nikhat danah tur ani. Onion and capsicum Nursery stage Poly house Image: A then a that theih nan nikhat danah tur ani. Image: A then a that theih nan nikhat danah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml h tui liter 1 zelah pawlh a kah hi a the A the ani. Image: Phytopthora blight Phytopthora blight Image: A then a that theih nan tur ani. French bean radiish Sowing stage Image: A then a that theih nan tui pek hanah hringa khuh tur ani. Carrot and radiish Sowing stage Image: A then a that theih nan nikhat danah tui pek a nihanah hringa khuh tur ani. Carrot and radiish Sowing stage Image: A then a that theih nan nikhat danah tui pek a nihanah hringa khuh tur ani. Image: A then a that theih nan nikhat danah tui pek hanah hringa khuh tur ani. Image: A then a that theih nan nikhat danah tui pek hanah hringa khuh tur ani. Image: A then a that theih nan nikhat danah tui pek hanah hringa khuh tur ani. Image: A then a that theih nan nikhat danah tu a wangin a hnah ah thil dum a rawn awm thina, hei hi natna tianglawn ber ani. Image: A then a that theih nan an thi leh zikhlum lam thi a han an thi leh zikhlum lam thi a han an thi leh zikhlum lam thi a han tui leter 1 pawlha kah tur ani.	ICAR			
capsicumtui pek thin tur ani.capsicumIntervention </th <th></th> <th>5</th> <th>A R. Mar. Land. B. Mar. Hand. Street Street</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	A R. Mar. Land. B. Mar. Hand. Street Street	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightblightFrench beanSowing stageFrench beanSowing stageCarrot and radishSowing stageLawnor Lawnor L		Į	The second	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
French beanSowing stageTui pek a hnihnah hringa khuh tur an a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zei 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 		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. 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 nam chi reng reng enkawl nam Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
		Sowing stage		 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			PN 2	5 P a g e



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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
		PN /	6 P a g e



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		~		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a,
	10	1		an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	LA N	0.0442	1-6 ah F1 vaccine pek tur ani a, chuan
	(3 1 1		a puitlingh chuan R ₂ B vaccine pek tur
	1		_	ani. B complex with antibodies
	1	4 th weeks		Coccidiosis- Amprolium or
		T WCCRS	-	coccidiostat
	7 MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY			СНА	IMPAI
	Pond	3 rd -4 th weeks		Dil a leitha hman hian sangha chaw
	preparation	of i weeks		kan tih mai planktons insiam nan a
	(Dil buatsaih)	1 1		tanpui thin.
	K	LUNGLEI		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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani. 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA		7 Page



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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: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017 06.05.2017 07.05.2017 08.05.2017 09.05.2017 10.05.2017 **Parameters** Rainfall (mm) 0 0 0 0 7 Max Temp (°C) 36 35 34 34 32 Min Temp (°C) 22 22 2121 22 **Cloud Coverage** Clear sky Clear sky Clear sky Clear sky Partially clear Max RH (%) 99 75 87 97 98 Min RH (%) 27 25 40 34 34 Wind Speed (KmpH) 2 2 2 2 2 ***Wind Direction** S-E S-E 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- June 1-30, 2016 (Percent of deviation from normal in parenthesis) Champhai- 105.48mm Saiha- 307.40 mm **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 (453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather forecast valid from 06th May, 2017 To Weather summary of the past three days 10thMay, 2017. Maximum Tem. (°C):28-29°C There is a chance of rainfall during the next 1 day. The Minimum Tem. (°C):18-21°C maximum and minimum temperatures for the next 5 days Maximum RH (%):77-99% may range for 32-36°C and 21-22°C. Maximum relative Minimum RH (%):45-81% humidity is expected in the range of 75-99% and minimum Wind Direction: Easterly may from 25-40%. Wind direction would be easterly to **Cloud cover: Mainly clear** southeasterly to southerly to easterly and southeasterly Wind speed: 2-4 km/hr with the wind speed of 2 km per hour. Clear sky will

Rainfall: 00.0 mm

	Weekly cumulative rainfall: 07.0 mm							
NDVI for Mizoram	North East Region I3 April 2017 I3 April 2017 I 3 April 201							
	<u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>							
		1 P a g e						

prevail during the next five days.

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



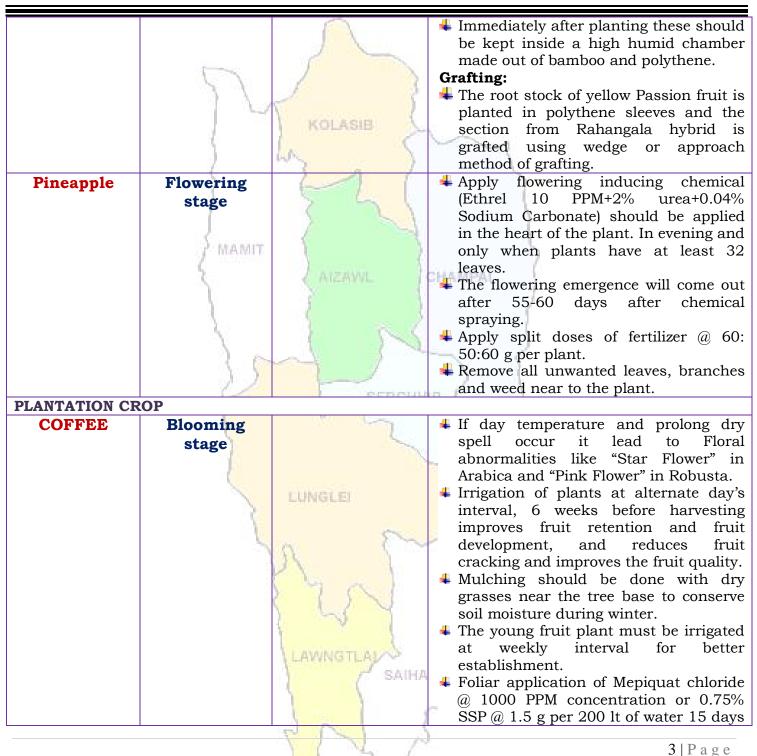
Main Cron/	Store	Cultural	Agricultural / Horticultural / animal
Main Crop/	Stage		Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	Seedling	5	Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	4 In the citrus belt, trees can be planted
LIME)	When I	at any time, however, spring is the best
	(c)	5 1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	AMAMIT	1	exact distance depends on the variety.
	2	A	The bigger the fruit, the farther
PLUM AND	20	(AIZAWL)	the distance.
PEACH		1	4 If the soil is not well-drained, plant the
FEACH		1 (3	trees on a slight mound to
	4	1 6 6	prevent water logging.
	1	1 1 1	4 Mulching should be done with dry
	1.5		grasses near the tree base to conserve soil moisture during winter.
	12	- ACTION IN	
		SERCHH	at weekly interval for better
		N Carl	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
	1	greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	5	butterfly and leaf	borne disease.
	The second se	minor 🚗	Lamon butterfly- Spray monocrotophos
	1	α (\sim	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5
		11 10	ml/lit of water) at each flush
		(Sa and	emergence.
			Citrus Canker - Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
i assivii riult	stage	LAWNGTLAV	quality fruits and free of virus diseases
	slage	- SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		JA L	beds.
L		VIN. P	2 P a g e



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







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



		0		interval.
Rubber	Nursery stage		4	Clearing operation may be done during
	,			the month of February to April.
		1	4	Make fire line to protect the young tree
	1. 6	2		and seedlings.
		Vi conservenes de	-	10-12 kg of well rotten organic manure
		KOLASIB	8	and 225 gm rock phosphate should be
	1	Lo S	23	apply at time of planting to each pit as
	1	1 A 1		basal dose application.
CEREALS AND	PULSE CROPS			
Pre Kharif	Transplanting	2 5 1	4	Water level shall be maintained for
Rice	stage	2 21		better transplant.
	Same			Plough the field two to three times.
	7 MAMIT		-	According to weather forecast next five
	2	L'ATZAWIL I	21	days rainfall possibility is less so make
				a bun around the field and close all out
				late for well maintenance of water in
	2	3 6 6		the field.
		1 1 2	-	Transplant 2-3 seedlings in one place
	1		-	for avoid gap filling. Spacing should be 20 cm row to row
	12			and 15 cm plant to plant.
		SERCHH	i F	Keep some seedlings in nursery or
				corner of the field for gap filling.
Jhum Rice	Germination	~	4	According to weather forecast
	stage			possibility of rainfall is very less and
				maximum temperature will be high so
		LUNGLEI		maintain the moisture level in the field.
	5		-	If possible use straw mulch/ grass
		20		mulch in row to prevent moisture loss
		A 5.7	3	and better growth of plant.
Maize	Vegetative		-	According to weather forecast
(Jhum)	stage	1 7 al		possibility of rainfall is very less and
				maximum temperature will be high so maintain the moisture level in the field.
			4	Earthing up soil for better growth and
		Second and the second second	-	stability in root zone.
		LAWNGTLAL	4	Use split dose of any nitrogenous
		/ SAIHA		fertilizer for better growth.
			4	If possible use straw mulch/ grass
		1 122	~	mulch in row to prevent moisture loss
		5 N 3	1	
		A NA		4 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM



		<u> </u>	and better growth of plant.
Rabi Maize	Harvesting		4 Harvest all mature cobs from the plant.
	stage	A CONTRACTOR	4 Keep the cob for sun dry, so moisture
	13	1 2	level will be maintain.
		1 8	4 Thresh the seeds from cob and keep for
	14	Vi construction of	drying.
		KOLASIB	4 Dry straw should keep for mulching in
	1	La S	the field.
VEGETABLE CR	OP		
Cowpea	Vegetative		According to weather forecast
-	stage	5 6 0	possibility of rainfall is very less and
		5 51	maximum temperature will be high so
	e e e e e e e e e e e e e e e e e e e	1	maintain the moisture level in the field.
	7 MAMIT	N X	4 Earthing up soil for better growth and
	ζ	La comunita a la	stability in root zone.
		A AIZAWIL	📲 Use split dose of any nitrogenous
		6	fertilizer for better growth.
	(5	4 If possible use straw mulch/ grass
	1	1 1 1	mulch in row to prevent moisture loss
	1	A A	and better growth of plant.
Okra	Vegetative		According to weather forecast
U III U	stage	- Corpout	magnifility of minfall in your loss and
	stage	SERCHH	maximum temperature will be high so
		No. Log	maintain the moisture level in the field.
	1		Larthing up soil for better growth and
			stability in root zone.
			Use split dose of any nitrogenous
		LUNGLEI	fertilizer for better growth.
	2	CONSIGER.	If possible use straw mulch/ grass
	S.F.		mulch in row to prevent moisture loss
	1. A.		and better growth of plant.
Ginger and	Sowing stage	NO YES	Rhizome should be treated with Thiram
turmeric	bowing stage		@4 g/kg seed.
curmente			Use optimum seed rate (50-60 kg/ha)
		N LL Y	for desire plant population.
			Apply well decomposed FYM/ pig
		A CONTRACTOR OF A	manure @ 10-20 t/ha along with
		LAWNGTLAN	$120:80:60$ kg N, P_2O_5 and K_2O/ha
		/ SAIHA	incorporate with soil before sowing.
			Half nitrogen dose will use at the time
		Constant of the	of sowing and remaining 25% after one
	<u> </u>		or sowing and remaining 2070 after one
		VIN /	5 P a g e



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Colocasia	Sowing stage		 month and 25% at flowering stage. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted
			 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	NDARY		
Pig	All stages	AIZAWL	 As the weather gets colder, your pigs energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness and increase their feed intake to maintain. Fish oils are excellent for providing
			slow-release energy with the added advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
	2 0	Reproductive	
	2.2	Respiratory	
	E F	Syndrome CHH (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		• Due to prolong dry spell there is a shortage of green grass in the field For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repea every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management	SAIHA	Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply of good-quality water.
			6 P a g e



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		0	4	Good management and sanitation are
				the best ways to avoid infectious
				disease in poultry.
		1	4	Provide ample quantity of clean
	1 1	1 8		drinking water.
		∇	4	Avoid feeding of mouldy feed. Don't
		KOLASIB	10	make sudden changes in feed
	Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
	measures	WS)		days of birth and R ₂ B vaccine for adult
	measures	2 1		birds.
	5		4	B complex with antibodies
		4 th weeks	_	Coccidiosis- Amprolium or
	1		- T	coccidiostat
	J MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	1	AIZAWL	1 (A) (C) (A)	
	Pond	3 rd -4 th weeks	1000	Application of fertilizers/manure helps
		J WCCKS	-	in development of plankton which serve
	preparation			as natural feed for the fishes.
			-	Raw cowdung should be applied in the
		~ 1		pond at the rate of 10 tonnes/ha/year
	13			One third of the total dose should be
		SERCHH	(P)	applied initially and the rest may be
		V L		applied in a spilt doses.
		E.	4	Single super phosphate should also be
			124	applied at the rate of 250 kg/ha in the
			100	pond.
	1	LINE EL	4	After one week of application
		LUNGLEI	197	development of planktons could be
	9.6		6	observed in the pond depending on the
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2	colour of the water. Yellowish greer
	D-3	135	TR	colour is an indicator of the good
		P X	N.	plankton development.
			4	Transparency of the water needs to be
		1 Li Y	1	maintained at 30-40 cm.
			- 8	
		LAWNGTLAL		
		P SAIHA	1	1
			(mark)	<u></u>
			Γ	2
		5151 A) -	7 D o c o
				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: Serchhip

Bulletin No	o: - 698/	2017/	Bulletin	Mizo	
		1.		100	

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	1 N N	P.				
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017	
Rainfall (mm)	0	0	0	0	7	
Max Temp (°C)	36	35	34	34	32	
Min Temp (°C)	21	21	22	22	22	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear	
Max RH (%)	75	87	97	98	99	
Min RH (%)	27	25	34	34	40	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	E	S-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	•	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm	Champhai	- 105.48mm (359.89mm)	of deviation fr Saiha- 307.40 n (507.7r Mamit-204.87n	n m Kolasib nm)	- 236.00mm (428.1mm) p-411.72mm	
(453.1mm)		465.14mm)	(442.80r		(259.62mm)	
Weather summary of three days	S	06 th May– 10 th May, 2017 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):77- Minimum RH (%):45-3 Wind Direction: Easter Cloud cover: Mainly of Wind speed: 2-4 km/ Rainfall: 00.0 mm	8-21°C 99% 81% erly clear	Tun ni 1 chhung lo awm turah hian ruahtui tla mia tura beisei a ni. Khua a lum lai berin 32-36°C a ni ang A vawh lai ber in 21-22°C ni tura beisei a ni. RH san berin 75-99% leh a hniam lai berin 25-40% ni tur a niin. Thli hi darkar khatah 2 km vela chakin chhaklam a zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhu hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 07.0mm				
NDVI for Mizoram		North East Region 13 April 2 0 02 0 02 0 03 0 03 0 05 0 0 0 0	Conditions	wet mildly d		
		The second	(Carlos Carlos C		1 P a g e	

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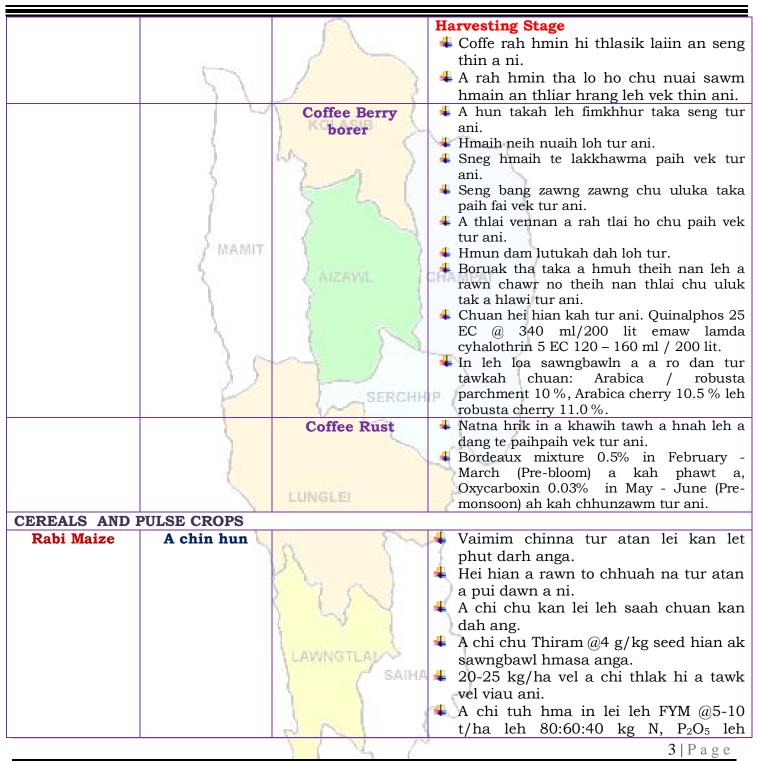
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	Thomas 2	velah dahkhawm tur ani.
LIME		Lan 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 2	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT	1	4 A seng hma kar 6 chhung chu tui tha
	2 manual	S	taka pek hian a rah tla tur chelh nan
PLUM AND	2	(AIZAWL)	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
РЕАСП		One of the site of the set	Townsetture being lutule lob become 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	FILLE HYERCHH	rah tan tirin chawlhkar hnih chhung chu
		No. Log	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	and when the state of	Nursery stage
	1		+ Thlai chi thlak hma in Azospirillum leh
	1	α (\sim	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		Chi ALL	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 1	tlar mumal tak siam in chin tur ani.
		1 45 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani. Vitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			$\stackrel{\text{ann.}}{\clubsuit}$ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
			Jag an an sawn childar ich unn alli.
		K IN A	
			2 P a g e



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



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



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



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	Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	measures	U-O WCCR	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	21	 a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
	S MAMIT		coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B_{12}
FISHERY			CHAMPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K	LUNGLEI	 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	



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District: Aizawl

Bulletin No: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	15 1	1	1			
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017	
Rainfall (mm)	0	4	12	11	15	
Max Temp (°C)	33	32	32	30	30	
Min Temp (°C)	15	16	17	17	17	
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	79	93	97	98	97	
Min RH (%)	35	30	47	41	47	
Wind Speed (KmpH)	3	3	4	3	3	
*Wind Direction	S-E	S-E	S	S-E	S-E	
		-Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We				
STATUS OF MONSO	OON- June 1-3	30, 2016 (Percent	of deviation fr	om normal in p	arenthesis)	
Aizawl- 384.87mm	Champha	ui- 105.48mm 💦 💲	Saiha- 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7r		(428.1mm)	
Lawngtlai-291.20mm	Lunglei		<mark>Mamit-204.87</mark> n	-	-411.72mm	
(453.1mm)		(465.14mm)	(442.80r	· · · · · · · · · · · · · · · · · · ·	(259.62mm)	
Weather summary		Weather for		om 06 th May, 2	2017 To	
three day			10 th May,			
Maximum Tem. (°C):2		There are chance	es of moderate	e to light rainfa	ll during the	
Minimum Tem. (°C):1		next 4 days. The maximum and minimum temperatures for				
Maximum RH (%):87-		the next 5 days may range for 30-33°C and 15-17°C.				
Minimum RH (%):32-		Maximum relativ	ve humidity is	expected in the	range of 79-	
Wind Direction: sout	· · · · · · · · · · · · · · · · · · ·	98% and minin	num may from	m ^{30-47%} . Wi	ind direction	
Cloud cover: Mainly o		would be southeasterly to southerly and southeasterly with				
Wind speed: 2-3 km/	hr	the wind speed of 3-4 km per hour. Partially clear sky will				
		prevail during th	-	•		
Rainfall: 00.0 mm		provan aaning m	e mone mee aag			
		Weekly		rainfall: 42.0		
NDVI for Mizoram		North East Region 13 April 24		wet mildly dr	y/mildly wet	
			conditions			
			.3] м			
		0.4-0	1.5 L G			
		>0.6-0).7] Ve			
		Agriculture vigour is moderate over most of the parts Eastern state, whereas few patches in Assam, Man				
		Arunachal Pradesh shows good vigour.				
		VIN	12		1 Page	

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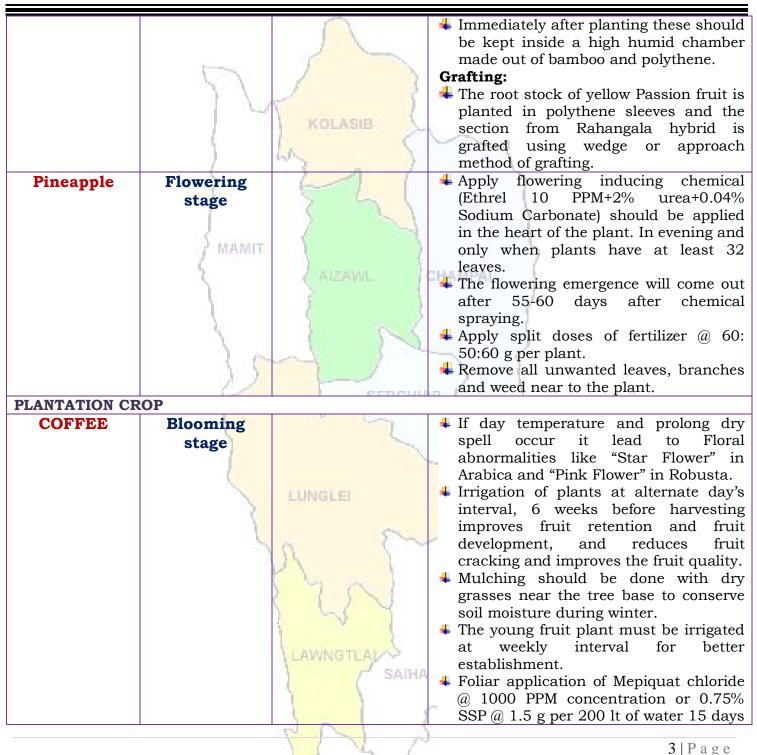
Main Cron/	Store	Cultural	Agricultural / Hosticultural / asimal
Main Crop/	Stage		Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	4 In the citrus belt, trees can be planted
LIME	J	When I	at any time; however, spring is the best
	()	5 1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	> MAMIT	1	exact distance depends on the variety.
	2 Martinet	and the second	The bigger the fruit, the farther
PLUM AND	2	A ATZAVVL 1	the distance.
PEACH		2	↓ If the soil is not well-drained, plant the
PEACH		1 4 3	trees on a slight mound to
	1	1 6 6	prevent water logging.
		1 1 1 1	4 Mulching should be done with dry
			grasses near the tree base to conserve
	12		soil moisture during winter.
	6	SERCHH	
		No log	at weekly interval for better establishment.
		Cummonia aitmu	Die back - Due to low temperature and
		Gummosis, citrus	humidity disease appearance will more.
		Canker, Citrus greening,	Use Bordeaux past in tree trunk, twigs and
	1	Dieback, Lamon	branches protect healthy plant from soil
	2	butterfly and leaf	borne disease.
	1 F	minor	Lamon butterfly- Spray monocrotophos
	<u> </u>		@0.04% @1.2 ml/lt of water.
			Leaf minor - Spray confidor 0.05% (0.5
	5		ml/lit of water) at each flush
		1 7 5	emergence.
		D LS Y	Citrus Canker - Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Transplanting	LAWNGTLAL	High yielding mother vine with good
	stage	A SAIHA	quality fruits and free of virus diseases
		I SAIHA	bilo dia so solocica to provide cutanget
			A cutting should contain at least 3
		1 22 1 1	buds and must be planted in sand
			beds.
		Y Y	2 P a g e



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		0		interval.
Rubber	Nursery stage	and Annual and	4	Clearing operation may be done during
	,,			the month of February to April.
		1		Make fire line to protect the young tree
	1. 6	1 2		and seedlings.
		Vi construction (10-12 kg of well rotten organic manure
		KOLASIB		and 225 gm rock phosphate should be
	1	Le S	10	apply at time of planting to each pit as
	1	W3 ()		basal dose application.
CEREALS AND I	PULSE CROPS			
Pre Kharif	Transplanting	5 5 0	4	Water level shall be maintained for
Rice	stage	5		better transplant.
	. E		4	Plough the field two to three times.
	7 MAMIT	2		According to weather forecast next five
	5	A AIZAWIL 1		days rainfall possibility is less so make
	1 N	Contraction of the second s		a bun around the field and close all out
				late for well maintenance of water in
	2	1 8 1		the field.
	1			Transplant 2-3 seedlings in one place
	2.6	~ 1		for avoid gap filling.
	1 1			Spacing should be 20 cm row to row
	F	SERCHH		and 15 cm plant to plant.
		V		Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Germination			According to weather forecast
onum Rice				possibility of rainfall is very less and
	stage			maximum temperature will be high so
	1	LUNGLEI		maintain the moisture level in the field.
	>	and the second second		If possible use straw mulch/ grass
	1 Contraction of the			mulch in row to prevent moisture loss
			and the second se	and better growth of plant.
Maize	Vegetative		-	According to weather forecast
(Jhum)	stage			possibility of rainfall is very less and
	_	$\langle 1 \rangle$		maximum temperature will be high so
				maintain the moisture level in the field.
				Earthing up soil for better growth and
		LAWNGTLAL		stability in root zone.
		/ SAIHA		Use split dose of any nitrogenous
				fertilizer for better growth.
				If possible use straw mulch/ grass
			100	mulch in row to prevent moisture loss
		VIN M		4 P a g e



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			and botton growth of alcost
Rabi Maize	Uomosting		and better growth of plant. Harvest all mature cobs from the plant.
Radi Maize	Harvesting		
	stage	1	Keep the cob for sun dry, so moisture
	1 1	1	level will be maintain.
	1 1-1	- F	♣ Thresh the seeds from cob and keep for
		KOLASIB	drying.
	4	1 NOLINGE >	+ Dry straw should keep for mulching in
		IN X	the field.
VEGETABLE CR	(1) C		
Cowpea	Vegetative		4 According to weather forecast
	stage	2 5 5	possibility of rainfall is very less and
		>	maximum temperature will be high so
	Same		maintain the moisture level in the field.
	7 MAMIT	1	4 Earthing up soil for better growth and
	1	A AIZAWL 1	stability in root zone.
	<u> </u>		4 Use split dose of any nitrogenous
))	fertilizer for better growth.
	1	1	If possible use straw mulch/ grass
	1		mulch in row to prevent moisture loss
) 6.		and better growth of plant.
Okra	Vegetative		4 According to weather forecast
	stage	_ SERCHH	possibility of rainfall is very less and
		~	maximum temperature will be high so
			maintain the moisture level in the field.
	3		4 Earthing up soil for better growth and
			stability in root zone.
			4 Use split dose of any nitrogenous
		LUNGLEI	fertilizer for better growth.
	5		Figure 16 If possible use straw mulch/ grass
		~	mulch in row to prevent moisture loss
		$a \sim$	and better growth of plant.
Ginger and	Sowing stage		Rhizome should be treated with Thiram
turmeric		M AL	@4 g/kg seed.
			4 Use optimum seed rate (50-60 kg/ha)
		1 ~ 1	for desire plant population.
		1	Apply well decomposed FYM/ pig
		LAWNGTLAU	manure @ 10-20 t/ha along with
		- SAIHA	120:80:60 kg N, P_2O_5 and K_2O/ha
			incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
		5 1 X A	5 D
		1 4 6	5 P a g e



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		<u>A</u>	month and 25% at flowering stage.
Colocasia	Sowing stage		Planting is done well prepared land or pits filled up with FYM (12-15) t/ha
		1	Sprouted corms or cormels are planted
	21	1 8	5-7 deep at a spacing of 40-50 cm
		Vi commence la	between and within rows in the pits.
		KOLASIB	4 Inorganic fertilizer like Urea, SSP and
		Ix S	MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	(16.5)		
Pig	All stages		As the weather gets colder, your pigs'
	1	2 2 1	energy requirement will increase, as they need more energy to keep warm.
		1 24	 Regularly monitor their level of 'fitness'
	? MAMIT		and increase their feed intake to
	5	A ST MARK	maintain.
	N	AIZAVIL	Fish oils are excellent for providing
		5	slow-release energy with the added
	1	1	advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	12	Respiratory	2 1
	1	Syndrome CHH	P
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month
			interval
Cattle	All age group	000005222	• Due to prolong dry spell there is a
	2	LUNGLEI	shortage of green grass in the field.
	1		For balanced diet and nutrition to
	5	a 820	your cattle, provide urea molasses
		1	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above
		(BQ)	 Revaccination annually
Poultry	Litter	LAWNGTLAN	- Dirda require adaquata anaga gufficient
	management	C SAIHA	feed to meet their nutritional
			requirements and an adequate supply
			of good-quality water.
		N 18 1 7	6 P a g e



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		0	4	Good management and sanitation are
		A and a second		the best ways to avoid infectious
				disease in poultry.
		1	4	Provide ample quantity of clean
	3 1	1 3		drinking water.
		V	4	Avoid feeding of mouldy feed. Don't
		KOLASIB	21	make sudden changes in feed
	Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
	measures	195 ()		days of birth and R ₂ B vaccine for adult
		2 1		birds.
			4	B complex with antibodies
		4 th weeks	-	Coccidiosis- Amprolium or
	1			coccidiostat
	7 MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	5	AIZAWI	100	AMPAI
FIGHERI	Dend	3 rd -4 th weeks		and the second sec
	Pond	3 rd -4 ^{ch} weeks	-	rr · · · · · · · · · · · · ·
	preparation			in development of plankton which serve as natural feed for the fishes.
	1 0		-	Raw cowdung should be applied in the
	3.2			pond at the rate of 10 tonnes/ha/year. One third of the total dose should be
		SERCHH	PD.	
		W.		applied initially and the rest may be applied in a spilt doses.
				Single super phosphate should also be
	7			applied at the rate of 250 kg/ha in the
				pond.
		0.044006-51205	-	After one week of application
		LUNGLEI	1	development of planktons could be
	1			observed in the pond depending on the
		S	2	colour of the water. Yellowish green
	-	A I		colour is an indicator of the good
			1	plankton development.
		M A A	4	Transparency of the water needs to be
		(LIN	1	maintained at 30-40 cm.
	- 1		-8	
		Company and Company		
		LAWNGTLAL		
		F SAIHA		
				e-
		1 1 1 1 1 1 1	1	2
		PAL.		
		Y N N		7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



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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)



1 | Page

Period: 06 May - 10 May, 2017

District: Aizawl

Bulletin No: - 698/2	017/ Bulletin	/Mizo	Date of is	sue: 05 th May,	2017
D	06.05.0015	07.05.0017			10 05 0015
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017
Rainfall (mm)	0	4	12	11	15
Max Temp (°C)	33	32	32	30	30
Min Temp (°C)	15	16	17	17	17
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	79	93	97	98	97
Min RH (%)	35	30	47	41	47
Wind Speed (KmpH)	3	3	4	3	3
*Wind Direction	S-E	S-E	S	S-E	S-E
		asterly- N-E, Eas			
		esterly- <mark>S-W</mark> , We			
STATUS OF MONSO					•
Aizawl- 384.87mm	-	105.48mm			236.00mm
(430.2mm) Lawngtlai-291.20mm		359.89mm)	(507.7n		(428.1mm) -411.72mm
(453.1mm)			(442.80n) (442.80n		(259.62mm)
Weather summary		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	• •
				.7 chhunga s	sik len sa
three day	S	(dinhmun tu	r tlangpui	
Maximum Tem. (°C):2		`un ni 4 chhun	ig lo awm tura	ah hian ruahtu	i tla miahlo
Minimum Tem. (°C):1		ura beisei a ni. l	Khua a lum lai	berin 30-33°C	a ni ang a. A
Maximum RH (%):87-		rawh lai ber in	15-17ºC ni tu	ara beisei a ni	. RH san lai
Minimum RH (%):32-		erin 79-98% le	h a hniam lai	berin 30-47%	ni tur a rin
Wind Direction: south	_	niin. Thli hi darl	kar khatah 3-4	4 km vela chak	in chhaklam
Cloud cover: Mainly o		wi zawngin a tle	eh rin a ni. A tl	angpuiin tun n	i nga chhung
Wind speed: 2-3 km/	nr	ian khawthiang		01	88
Rainfall: 00.0 mm		Weekl	u cumulative	rainfall: 42.0r	nm
		in cont	g cumulative	rungun 12.01	
NDVI for Mizoram		North East Region 13 April 20	Moderately	wet mildly dr	w/mildly wet
NDVI IOI MIZOIAIII		and a	conditions	wet innuly ui	y/minuty wet
			bare soll backgrou		
			1.4 J		
		0.5-0	0.6 J 00 0.7 J		
		>0.7	1		
	Ea	griculture vigour is moderate over most of the parts i sstern state, whereas few patches in Assam, Mani runachal Pradesh shows good vigour.			
	Ar	and a state of shows good vigour.			

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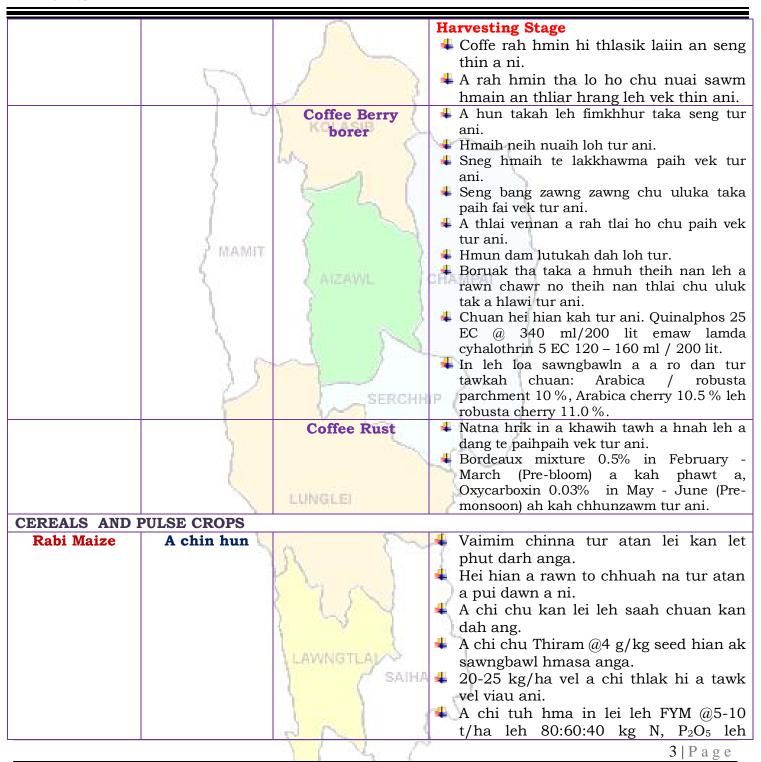
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 NOLNOID	velah dahkhawm tur ani.
LIME	1	1	4 Thlai naupang deuah chuan chawlh
	6	3 0 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
		3	te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 merina v	\ (taka pek hian a rah tla tur chelh nan
PLUM AND	2	& AIZAWL I	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH			
	4	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	12	Dieback	Huan zau takah chuan a par tan tirh leh a
	1	Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu
		N La	heng te hian enkawl tur ani: carbaryl 0.2
	4		percent emaw malathion 0.15 percent
		1 million (1997)	suspension containing sugar or jeggery at
	- P		10 g/l.
PLANTATION CR			
COFFEE	All stages	and the end of the	Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
	5	α (\sim	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		1 5 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani. Vitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	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.
			Jag an an sawn chindak ich unn alli.
		R IN A	
		1	2 P a g e



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



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Onion and capsicum Nursery stage Poly house Image: Constant of the state	ICAR			
capsicumtui pek thin tur ani.capsicumImage: Carrot and radishCarrot and radishSowing stageCarrot and		5	A To fair and to fair it and	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Hateh taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.Carrot and radishSowing stage4 A than a that hein nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah 			The second	 Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
Carrot and radish Sowing stage LAWNGTLASH A than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35	Phytopthora	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
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.		Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			PN	5 P a g e



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



ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
		Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAI
	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		FN7	6 P a g e



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

oasea on District wise weather Forecast rece Guwahati)



	Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	1	U-3 WEEK	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	221	 a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
	2 MAMIT		coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B_{12}
FISHERY	5		CHAMPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	7 P a g e



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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, Guwahati)



District: Champhai

Bulletin No: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

Deveryor	0C 0F 0017	07.05.0017		00 0F 0017	10.05.0017		
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017		
Rainfall (mm)	0	0	5	8	10		
Max Temp (°C)	35	34	32	31	31		
Min Temp (°C)	20	20	21	22	22		
Cloud Coverage	Clear sky	Clear sky	Partially clear	Partially clear	Partially clear		
Max RH (%)	73	84	91	93	92		
Min RH (%)	30	24	43	37	43		
Wind Speed (KmpH)	3	3	3	3	3		
*Wind Direction	S-E	S	S-W	S	S		
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <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)	(507.7n	nm)	(428.1mm)		
Lawngtlai-291.20mm					-411.72mm		
(453.1mm)	Ū.	(465.14mm)	(442.80n	nm)	(259.62mm)		
Weather summary	of the past	Weather fo	recast valid fr	om 06 th May, 2	2017 To		
three day	-		10 th May,				
Maximum Tem. (°C):2		There are chanc	· ·		Il during the		
Minimum Tem. (°C):1				0	<u> </u>		
Maximum RH (%):76-		next 3 days. The maximum and minimum temperatures for the next 5 days may range for 31-35°C and 20-22°C.					
Minimum RH (%):35-		2	5 0				
Wind Direction: Sout	hoostorly	Maximum relativ	•	-	U		
Cloud cover: Mainly		93% and minin	0				
Wind Speed: 3-4 km/	hr	would be southe	2	2	2		
nina speca e i iiii,		southerly with the	he wind speed	of 3 km per h	our. Partially		
Rainfall: 00.0 mm		clear sky will pre	vail during the	next five days.			
		Weekl	y cumulative i	rainfall: 18.0 1	mm		
NDVI for Mizoram		North East Region 13 April 2		wet mildly dr			
		AT 2	conditions	wet minuty ut	y minary wee		
			bare soil backgroi				
			.4 J ''				
		0.5-1	LGd				
		>0.7	1				
		Agriculture vigour is moderate over most of the parts Eastern state, whereas few patches in Assam, Mar					
		Arunachal Pradesh shows good vigour.					
		Y N	P.		1 Page		
					0 -		

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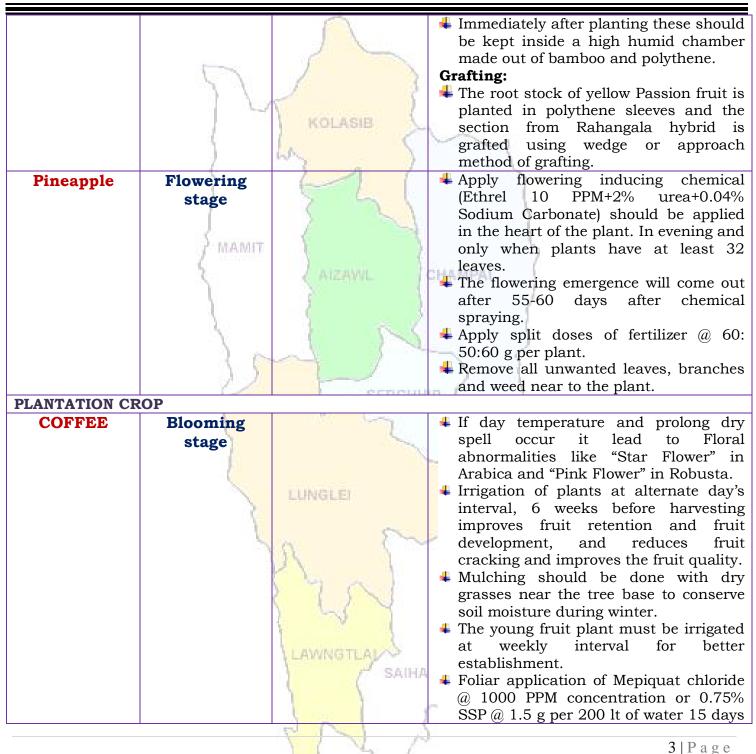
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Stage		
		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	an dah h		
KHASI	Seedling		4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	(In the citrus belt, trees can be planted
LIME		14 J	at any time, however, spring is the best
BANANA	(1 1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	AMAMIT	1	exact distance depends on the variety.
	2 - 11 - 12 - 12 - 12 - 12 - 12 - 12 -	and the second s	The bigger the fruit, the farther
PLUM AND	1	& AIZAWL	the distance.
PEACH			4 If the soil is not well-drained, plant the
FEACH		1 ()	trees on a slight mound to
	4	1 6 6	prevent water logging.
		1 1 1	4 Mulching should be done with dry
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		grasses near the tree base to conserve
	12		soil moisture during winter. The young fruit plant must be irrigated
	1	SERCHH	at weekly interval for better
		No log	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	2	butterfly and leaf	borne disease.
	1	minor	Lamon butterfly- Spray monocrotophos
	5	N 200	@0.04% @1.2 ml/lt of water.
		1	Leaf minor - Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1 5	emergence.
		1 45 7	Citrus Canker- Apply bacterimycin @0.6 g/lt of water.
Passion Fruit	Trongalanting		High yielding mother vine with good
rassion rrutt	Transplanting	LAWNGTLAL	quality fruits and free of virus diseases
	stage	/ SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		1 2 1	beds.
		1 1	2 P a g e



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		0	interval.
Dether	Numero and a sta		 Clearing operation may be done during
Rubber	Nursery stage		
			the month of February to April.
	1 N 1	1	4 Make fire line to protect the young tree
	1 1-1	5	and seedlings.
		KOLASIB	4 10-12 kg of well rotten organic manure
	4	1 HOLIGIE	and 225 gm rock phosphate should be
		LA N	apply at time of planting to each pit as
		2 6 /	basal dose application.
CEREALS AND			
Pre Kharif	Transplanting	7 5 1	4 Water level shall be maintained for
Rice	stage	\rangle	better transplant.
	Sugar		Plough the field two to three times.
	J MAMIT	1	4 According to weather forecast next five
	1	L ATZAWL 1	days rainfall possibility is less so make
	1		a bun around the field and close all out
		2	late for well maintenance of water in
	1	1 /	the field.
	1		4 Transplant 2-3 seedlings in one place
	2 6	~ 1	for avoid gap filling.
	3.7		4 Spacing should be 20 cm row to row
		SERCHH	and 15 cm plant to plant.
		V~1	4 Keep some seedlings in nursery or
			corner of the field for gap filling.
Jhum Rice	Germination		According to weather forecast
	stage		possibility of rainfall is very less and
		00000651802	maximum temperature will be high so
		LUNGLEI	maintain the moisture level in the field.
			↓ If possible use straw mulch/ grass
		5	mulch in row to prevent moisture loss
	TT	A ST	 and better growth of plant. According to weather forecast
Maize	Vegetative		0
(Jhum)	stage	1 m C	possibility of rainfall is very less and
	5		maximum temperature will be high so maintain the moisture level in the field.
		A second second second	Earthing up soil for better growth and stability in root zone.
		LAWNGTLAK	4 Use split dose of any nitrogenous
		/ SAIHA	fertilizer for better growth.
			If possible use straw mulch/ grass
			mulch in row to prevent moisture loss
		E C	indicit in row to prevent moisture loss
		VIN /	4 P a g e



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,			
			and better growth of plant.
Rabi Maize	Harvesting		4 Harvest all mature cobs from the plant.
	stage		4 Keep the cob for sun dry, so moisture
	100	1 2	level will be maintain.
		1	4 Thresh the seeds from cob and keep for
	1	Vi construction de	drying.
		KOLASIB	U ry straw should keep for mulching in
	1	La S	the field.
VEGETABLE CRO	OP		
Cowpea	Vegetative		4 According to weather forecast
-	stage	5 6 1	possibility of rainfall is very less and
	B -	5 51	maximum temperature will be high so
	2	1	maintain the moisture level in the field.
	7 MAMIT	N X	4 Earthing up soil for better growth and
	6	1	stability in root zone.
		A AIZAWIL	4 Use split dose of any nitrogenous
		1 S	fertilizer for better growth.
	(5 5	↓ If possible use straw mulch/ grass
	4	1 00	mulch in row to prevent moisture loss
	1		and better growth of plant.
Okra	Vegetative		According to weather forecast
Unia	stage		pageibility of minfall is your loss and
	stage	SERCHH	maximum temperature will be high so
		V L	maintain the moisture level in the field.
	5		Larthing up soil for better growth and
			stability in root zone.
	1		Use split dose of any nitrogenous
	1	LUNGLEI	fertilizer for better growth.
	2	CONVICE!	↓ If possible use straw mulch/ grass
	1		mulch in row to prevent moisture loss
	6	~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and better growth of plant.
Ginger and	Sowing stage		 Rhizome should be treated with Thiram
turmeric	Sowing Stage	$r \sim 1$	@4 g/kg seed.
turmeric		1701	Use optimum seed rate (50-60 kg/ha)
		N LA Y	for desire plant population.
			Apply well decomposed FYM/ pig
		A manufacture of the	manure @ 10-20 t/ha along with
		LAWNGTLAK	120:80:60 kg N, P_2O_5 and K_2O/ha
		/ SAIHA	incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
		201	or sowing and remaining 2370 after one
		VIN D	5 P a g e



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Colocasia	Sowing stage		 month and 25% at flowering stage. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted
			 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	AIZAVIL	 As the weather gets colder, your pigs energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness and increase their feed intake to maintain. Fish oils are excellent for providing
		1 3	slow-release energy with the added
		Porcine	advantage of a high level of omega-3.1. Culling of positive pigs or piglets.
		Reproductive	1. Cuming of positive pigs of piglets.
	1 1	Respiratory	23
	0	SyndromecHH	ie (
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at months and yearly interval/6 monthinterval
Cattle	All age group		• Due to prolong dry spell there is a shortage of green grass in the field For balanced diet and nutrition to your cattle, provide urea molasse treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repea every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management	SAIHA	Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply of good-quality water.
		2 2	6 P a g e



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Pond preparation 3rd-4th weeks Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. Raw cowdung should be applied in the 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. Single super phosphate should also be applied at the rate of 250 kg/ha in the pond. LUNGLED LAWNGTLAL SAIHA					
Image: Constraint of the set of the set ways to avoid infectious disease in poultry. Preventive measures Image: Constraint of the set of the				4	Good management and sanitation are
Image: state in poulty. Provide ample quantity of clean drinking water. Preventive measures 0-3 rd week 4th weeks Frankhet Disease- F1 vaccine at (1-6) days of birth and R2B vaccine for adult birds. 4th weeks Coccidiosis- Amprolium or coccidiostat 2 4th weeks 4th weeks Coccidiosis- Amprolium or coccidiostat 3rd_4th weeks Champai 9 3rd_4th weeks 9 3rd_4th weeks 9 3rd_4th weeks 9 Account of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. 9 3rd_4th weeks 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 <th></th> <th></th> <th></th> <th></th> <th>-</th>					-
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Preventive measures 0-3 rd week 4 make sudden changes in feed Preventive measures 0-3 rd week * Ranikhet Disease- F1 vaccine at (1-6) days of birth and R_B vaccine for adult birds. 4 th weeks * Coccidiosisi- Amprolium or coccidiostat 4-5th Weeks * Calcium tonic fortified with B12 ISHERY * Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. Pond 3rd 4th weeks * Raw cowdung should be applied in the pond. * Raw cowdung should be applied in the rest may be applied in a spilt doses. * Single super phosphate should also be applied in a spilt doses. * After one week of application development of plankton development. * After one week of application development. * After one week of application development. * Transparency of the water needs to be maintained at 30-40 cm.			1	4	
Avoid feeding of mouldy feed. Don't make sudden changes in feed Preventive measures O-3 rd week Goomlex with antibodies 4 th weeks Coccidiosis- Amprolium on coccidiostat Coccidiosiat Coccidiosia Coccidiosia Coccidiosia Coccidiosia Coccidiosiat Coccidiosiat Coccidiosia		1 1	1		1 1 5
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Colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.		S	Providents.	1	development of planktons could be
Colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.		1		-0	observed in the pond depending on the
Plankton development. Transparency of the water needs to be maintained at 30-40 cm.			~ ~	1	colour of the water. Yellowish green
LAWNGTLAY SAIHA			1 18		8
LAWNGTLAL SAIHA				1	
LAWNGTLAL				4	Transparency of the water needs to be
S S S S S S S S S S S S S S S S S S S			1 LIY	15	maintained at 30-40 cm.
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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)





District: Champhai

Bulletin	No: -	69 8,	2017	/ B	ulletin	Mizo	
				1.2	A	100	

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

Parameters Rainfall (mm) Max Temp (°C) Min Temp (°C)	06.05.2017 0 35	07.05.2017 0	08.05.2017	09.05.2017	10.05.2017	
Max Temp (°C)	Ű,	0				
	35		5	8	10	
Min Temp (°C)		34	32	31	31	
	20	20	21	22	22	
Cloud Coverage	Clear sky	Clear sky	Partially clear	Partially clear	Partially clear	
Max RH (%)	73	84	91	93	92	
Min RH (%)	30	24	43	37	43	
Wind Speed (KmpH)	3	3	3	3	3	
*Wind Direction	S-E	S	S-W	S	S	
Northe	rly- <mark>N</mark> , North-l	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
STATUS OF MONSO	OON- June 1-3	0, 2016 (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	<mark>Mamit-204.87</mark> n	<mark>1m Serch</mark> hip	-411.72mm	
(453.1mm)	(465.14mm)	(442.80n	nm)	(259.62mm)	
Weather summary of	of the past	06th May- 1	0 th May, 201	7 chhunga s	ik leh sa	
three day	s	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):76- Minimum RH (%):35- Wind Direction: Sout Cloud cover: Mainly o Wind Speed: 3-4 km/ Rainfall: 00.0 mm	17-20°C 5-92% 5-67% theasterly clear tura beisei a ni. Khua a lum lai berin 31-35°C a ni ang vawh lai ber in 20-22°C ni tura beisei a ni. RH sa berin 73-93% leh a hniam lai berin 24-43% ni tur niin. Thli hi darkar khatah 3 km vela chakin chhaklar rowngin a tleh rin a ni A tlangguijin tun ni nga ah				a ni ang a. A . RH san lai ni tur a rin hhaklam awi nga chhung nm	
NDVI for Mizoram		North East Region 13 April 2	Arren of Conditions	wet mildly dr	y/mildly wet	



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



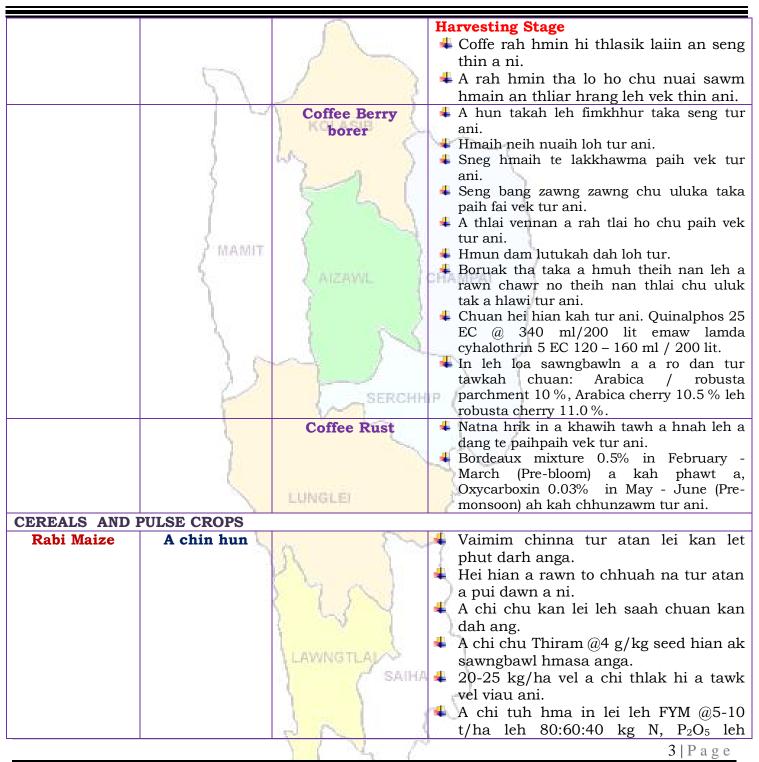
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal					
Animal		practices/ Pest/	husbandry advisories					
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·					
FRUITS CROPS		1	l					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur					
MANDARIN	a seng hun	KOLASIB	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		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 of the other other other	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	$\langle \langle \rangle \rangle$	4 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.					
·								
	2 P a g e							



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



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Onion and capsicumNursery stagePoly houseHai han alam 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.Thai han am chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawiha kah tur ani.A than a that theih nan nikhat danah tui pek thin tur ani.Thai han am chi leh zikhlum lam chi reng reng enkawl nan MamminPoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thai han am chi leh zikhlum lam chi reng reng enkawl nan MamminPoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Phytopthora blightPhytopthora blightA chi ven that nan thiram 3g/kg seed enaw Trichoderma vinde 4g* metalaxyl 4g (Apron)/ kg seed hi a tha he ani.French beanSowing stageThi lo 15 DAS a proxychonde a tui liter 1 hi 10-15 DAS a na than a that theih nan tui pek hana in a turi na kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.A than a that theih nan nikhat danah tui pek thin tur ani.A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Thia inna lam chi leh zikhlum lam chi reng reng enkawl nanThia inna lam chi leh zikhlum lam chi reng reng enkawl nan <th>ICAR</th> <th></th> <th></th> <th></th>	ICAR			
capsicumui pek thin tur ani.capsicumImage of the second		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 bean radishSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radish <th></th> <th></th> <th>AIZAVIL</th> <th> tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. </th>			AIZAVIL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah 		25		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			P N S	



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ANIMAL HUSBE	CNDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
		PN /	6 P a g e



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Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
measures	12-2 E	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
A MAMI	4 th weeks	 Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B₁₂
FISHERY	AIZAWI	CHAMPAI
Pond preparation (Dil buatsaih		Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
	A WINGT ALS	 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
	SAIH	7 Page



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib

Bulletin No: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017 06.05.2017 07.05.2017 08.05.2017 09.05.2017 **Parameters** 10.05.2017 Rainfall (mm) 5 9 12 0 8 Max Temp (°C) 32 30 30 30 29 Min Temp (°C) 22 22 22 2121**Cloud Coverage** Clear sky Partially clear Partially clear Partially clear Partially clear Max RH (%) 79 94 97 96 97 49 Min RH (%) 39 31 56 43 Wind Speed (KmpH) 4 4 3 3 4 ***Wind Direction** S-E S-E 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- June 1-30, 2016 (Percent of deviation from normal in parenthesis) Champhai- 105.48mm Saiha- 307.40 mm **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 (453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather forecast valid from 06th May, 2017 To Weather summary of the past three days 10thMay, 2017. Maximum Tem. (°C):28-31°C

There are chances of moderate to light rainfall during the Minimum Tem. (°C):18-21°C next 4 days. The maximum and minimum temperatures for Maximum RH (%):89-97% the next 5 days may range for 29-32°C and 21-22°C. Minimum RH (%):61-91% Maximum relative humidity is expected in the range of 79-Wind Direction: Southeasterly 97% and minimum may from 31-56%. Wind direction **Cloud cover: Mainly clear** would be southeasterly with the wind speed of 3-4 km per Wind speed: 3-4 km/hr hour. Partially clear sky will prevail during the next five days. Rainfall: 00.8 mm

Weekly cumulative rainfall: 34.0 mm **NDVI for Mizoram** 13 April 2017 Moderately wet mildly dry/mildly wet conditions <0.2 bare 1 | Page

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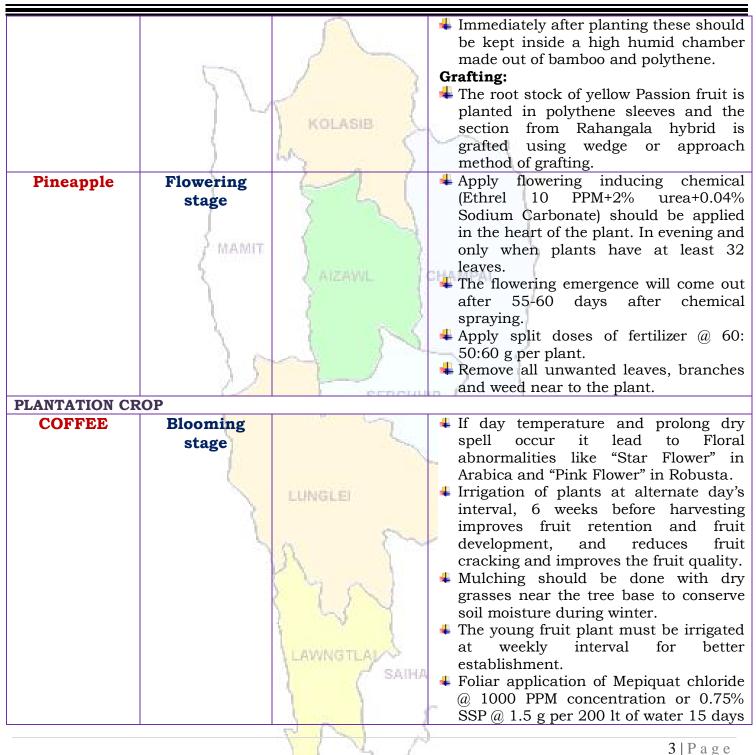
Main Cron/	Store	Cultural	Agricultural / Hosticultural / opinci
Main Crop/	Stage		Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	0	4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	4 In the citrus belt, trees can be planted
LIME)	Les D	at any time, however, spring is the best
	(1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	1		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	> MAMIT	1	exact distance depends on the variety.
	A CONTRACTOR	λ	The bigger the fruit, the farther
PLUM AND	1	& AIZAWL I	the distance.
PEACH		1	4 If the soil is not well-drained, plant the
FEACH		1 (3	trees on a slight mound to
	4	1 1	prevent water logging.
	1 2	1 1 1 1	Mulching should be done with dry
	1.0		grasses near the tree base to conserve soil moisture during winter.
	12		
	1	SERCHH	at weekly interval for better
		Nº Con	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	2	butterfly and leaf	borne disease.
	1	minor exce	Lamon butterfly- Spray monocrotophos
		a (~	@0.04% @1.2 ml/lt of water.
		1	Leaf minor - Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		8 1 5 1	<pre>emergence. Citrus Canker- Apply bacterimycin</pre>
) 55 7	@0.6 g/lt of water.
Passion Fruit	Trongalanting		High yielding mother vine with good
rassion riult	Transplanting	LAWNGTLAL	quality fruits and free of virus diseases
	stage	- SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		1211	beds.
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			2 P a g e



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		0		interval.
Rubber	Nursery stage		4	Clearing operation may be done during
	indiana, songo			the month of February to April.
		1	4	Make fire line to protect the young tree
	11	1 8		and seedlings.
		Very and the second second	4	10-12 kg of well rotten organic manure
		KOLASIB	0	and 225 gm rock phosphate should be
		1.	2	apply at time of planting to each pit as
	1	W3 ()		basal dose application.
CEREALS AND	PULSE CROPS			* *
Pre Kharif	Transplanting	5 5 6	-	Water level shall be maintained for
Rice	stage	5 51		better transplant.
	. E			Plough the field two to three times.
	7 MAMIT	1 2	-	According to weather forecast next five
	5	AIZAWL	ei.	days rainfall possibility is less so make
	<u> </u>	Contraction of the second second		a bun around the field and close all out
				late for well maintenance of water in
	2	1 8 1		the field.
	1		-	Transplant 2-3 seedlings in one place
	2. 6	~ 1		for avoid gap filling.
	1 1		-	Spacing should be 20 cm row to row
	Per	SERCHH	IF.	and 15 cm plant to plant.
		V		Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Germination		4	According to weather forecast
onum Mee	stage			possibility of rainfall is very less and
	stage			maximum temperature will be high so
	1	LUNGLEI		maintain the moisture level in the field.
	>	1000 C C C C C C C C C C C C C C C C C C	4	If possible use straw mulch/ grass
		~		mulch in row to prevent moisture loss
	<u></u>		-	and better growth of plant.
Maize	Vegetative	1	-	According to weather forecast
(Jhum)	stage	(Si a)		possibility of rainfall is very less and
	-	$\langle 1 \rangle$		maximum temperature will be high so
		1		maintain the moisture level in the field.
			-	Earthing up soil for better growth and
		LAWNGTLAL		stability in root zone.
		/ SAIHA	•	Use split dose of any nitrogenous
		1 1	_	fertilizer for better growth. If possible use straw mulch/ grass
			1	mulch in row to prevent moisture loss
		201		muten in row to prevent moisture loss
		NN 1		4 P a g e



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		0		and better growth of plant.
Rabi Maize	Harvesting		4	Harvest all mature cobs from the plant.
	stage		4	Keep the cob for sun dry, so moisture
		1		level will be maintain.
	1 6	1 8	4	Thresh the seeds from cob and keep for
	19	V construction of		drying.
		KOLASIB	4	Dry straw should keep for mulching in
	1	S.	Sector	the field.
VEGETABLE CR	OP			
Cowpea	Vegetative		4	According to weather forecast
-	stage	5 6 0		possibility of rainfall is very less and
		5 51		maximum temperature will be high so
	£	1		maintain the moisture level in the field.
	7 MAMIT	() ()	4	Earthing up soil for better growth and
	5	AIZAWIL	2	stability in root zone.
		CURRENT 1	14	Use split dose of any nitrogenous
	1	5		fertilizer for better growth.
	5	Sector and	-	If possible use straw mulch/ grass
	1	1 1		mulch in row to prevent moisture loss
		A1 5 -		and better growth of plant.
Okra	Vegetative		4	According to weather forecast
	stage	SERCHH	10	possibility of rainfall is very less and
		(man		maximum temperature will be high so
	1 N			maintain the moisture level in the field.
	1		4	Earthing up soil for better growth and
	14		Concession in the local division of the loca	stability in root zone.
			-	Use split dose of any nitrogenous
		LUNGLEI		fertilizer for better growth.
	5		+	If possible use straw mulch/ grass
		~	1	mulch in row to prevent moisture loss
	<u></u>	N (~		and better growth of plant.
Ginger and	Sowing stage	31	+	Rhizome should be treated with Thiram
turmeric		No All	25	@4 g/kg seed.
		$\langle \rangle \rangle$	+	Use optimum seed rate (50-60 kg/ha)
		1 ~ 1	1	for desire plant population.
		1	-	Apply well decomposed FYM/ pig
		LAWNGTLAL		manure @ 10-20 t/ha along with
		- SAIHA		120:80:60 kg N, P_2O_5 and K_2O/ha
				incorporate with soil before sowing.
			end.	Half nitrogen dose will use at the time
			10	of sowing and remaining 25% after one
		F 1 7) —	5 D
				5 P a g e



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		and the second se	
Colocasia	Sowing stage	KOLASIB	 month and 25% at flowering stage. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE	(2.2)		
Pig	All stages	Porcine Reproductive Respiratory Syndrome CHH	 As the weather gets colder, your pigs energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. Culling of positive pigs or piglets.
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		• Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management	SAIHA	- Dirda require adaquate anaga sufficient
		TVV	6 P a g e

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	0	4 Good management and sanitation are
		the best ways to avoid infectious
		disease in poultry.
		Provide ample quantity of clean
	N 1 1	drinking water.
	UT)	Avoid feeding of mouldy feed. Don't
	KOLASIB	make sudden changes in feed
Prevent	ive 0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
		days of birth and R_2B vaccine for adult
measur		birds.
(4 B complex with antibodies
1	4 th weeks	Coccidiosis - Amprolium or
	T- WCCKS	coccidiostat
	AMIT A 5th Weelre	
	4-5 th Weeks	\blacksquare Calcium tonic fortified with B ₁₂
FISHERY	< ATZAWIL	CHAMPAI
Pond	3 rd -4 th weeks	Application of fertilizers/manure helps
preparat	ion	in development of plankton which serve
<		as natural feed for the fishes.
		4 Raw cowdung should be applied in the
2		pond at the rate of 10 tonnes/ha/year.
2	SERCH	One third of the total dose should be
	- SERCH	applied initially and the rest may be
		applied in a spilt doses.
		Single super phosphate should also be
	6. S	applied at the rate of 250 kg/ha in the
	<u>č</u>	pond.
	LUNGLEI	After one week of application
	2	development of planktons could be
		observed in the pond depending on the
	Na (m	colour of the water. Yellowish green
	131	colour is an indicator of the good
	The all	plankton development.
	8 1 5 1	Transparency of the water needs to be
	1 22 4	maintained at 30-40 cm.
		4
	LAWNGTLAL	
	P SAIH	A V
		al
		7 P a g e
	the second se	



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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: Kolasib

					1. Sec. 1	34
Bulletin	No: -	698	/2017/	Bulletin	/Mizo	

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

	<u></u>						
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017		
Rainfall (mm)	0	5	9	8	12		
Max Temp (°C)	32	30	30	30	29		
Min Temp (°C)	21	21	22	22	22		
Cloud Coverage	Clear sky	Partially clear	Partially clear	Partially clear	Partially clear		
Max RH (%)	79	94	97	97	96		
Min RH (%)	39	31	56	43	49		
Wind Speed (KmpH)	4	4	4	3	3		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
	ly- <mark>S</mark> , South-W	Easterly- N-E, Eas Vesterly- <mark>S-W</mark> , We 0, 2016 (<i>Percent</i>	sterly-W, North	-westerly- N-W.	arenthesis)		
Aizawl- 384.87mm (430.2mm)	Champhai		Saiha- 307.40 n (507.7n	nm Kolasib-	236.00mm (428.1mm)		
Lawngtlai-291.20mm		• •	Mamit-204.87n		-411.72mm		
(453.1mm)		465.14mm)	(442.80n		(259.62mm)		
Weather summary of		a de la constante de la constan	• • • • • • • • • • • • • • • • • • •	.7 chhunga s			
three days	-				oik icii sa		
			dinhmun tu				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):89- Minimum RH (%):61-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 3-4 km/1 Rainfall: 00.8 mm	8-21°C 97% 91% heasterly clear	Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 79-97% leh a hniam lai berin 31-56% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 34.0mm					
NDVI for Mizoram		North East Region 13 April 2 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Arren of Conditions	wet mildly dr	y/mildly wet		

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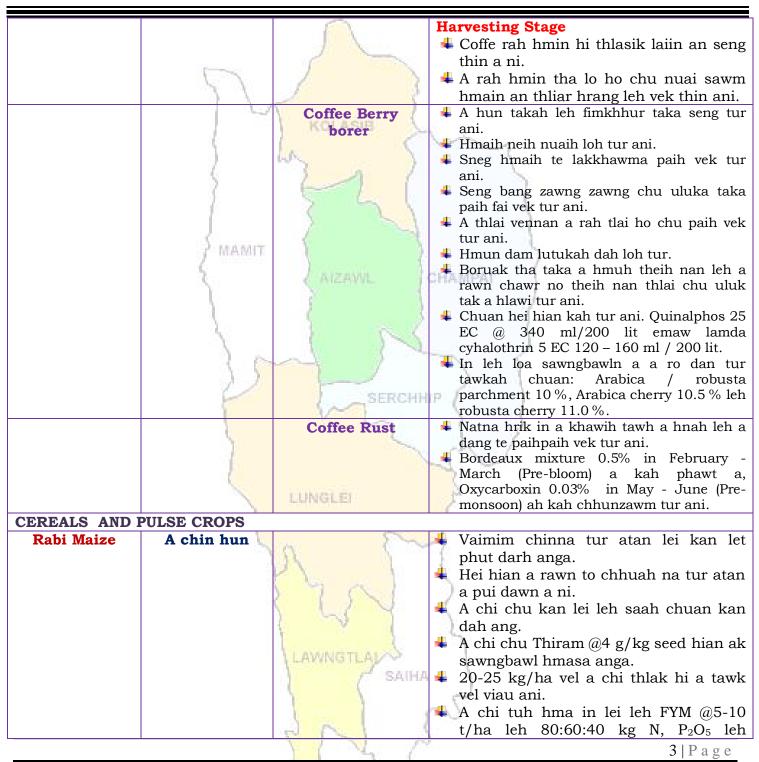
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring 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 (~~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
		DN 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
	5	$\langle \langle \rangle \rangle$	4 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.
·		A PULL	
		VIV /	2 P a g e
			2 1 d 5 0



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K ₂ 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 cropBlack spot diseaseA than a that theih n tui pek thin tur ani.Hamos Laws TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tui pek thin tur ani.Hamos TLAA than a that theih n tur ani.Hamos TL	yn nana thlai bula
sa vangin a hnah a	h thil dum rawn



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



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



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



ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	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)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
		PN	6 P a g e



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basea on District wise weather Porecast rec Guwahati)



	Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	measures	hand {	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	Ł	4 th weeks	Coccidiosis - Amprolium or coccidiostat
	/ MAMIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	A AIZAWIL I	CHAMPAI
	Pond preparation (Dil buatsaih)	3 rd -4 th weeks	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
	K		 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. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
			 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. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	7 Page



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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)



District: Lawntlai

Bulletin No: - 698/2017/ Bulletin/English

Period: 06 May - 10 May, 2017

Date of issue: 05th May, 2017

Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017
Rainfall (mm)	0	0	0	0	3
Max Temp (°C)	35	34	34	35	33
Min Temp (°C)	22	22	22	23	23
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	82	86	91	93	96
Min RH (%)	27	30	34	33	37
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E
Souther	ly- <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)	Champhai 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) -411.72mm (259.62mm)
Weather summary			· · · · · · · · · · · · · · · · · · ·	om 06 th May, 2	
three day	-		10 th May,	· · · · · · · · · · · · · · · · · · ·	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):91- Minimum RH (%):54-9 Wind Direction: south Cloud cover: Mainly of Wind speed: 2-3 km/1 Rainfall: 00.0 mm	9-22°C 98% 90% neasterly clear	There is no char maximum and n may range for 3 humidity is expe may from 27-37 the wind speed during the next f	ninimum tempo 33-35°C and 2 cted in the ran %. Wind direct of 4 km per 1	eratures for the 22-23°C. Maxir age of 82-96% a tion would be	e next 5 days num relative nd minimum easterly with
		Weekl		rainfall: 03.0 1	
NDVI for Mizoram		North East Region 13 April 2	Conditions ad a b b b b b b b b b b b b b b b b b b	wet mildly dr	y/mildly wet
		TVV.	P		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,

ed based on District wise Weather Forecast received Guwahati)



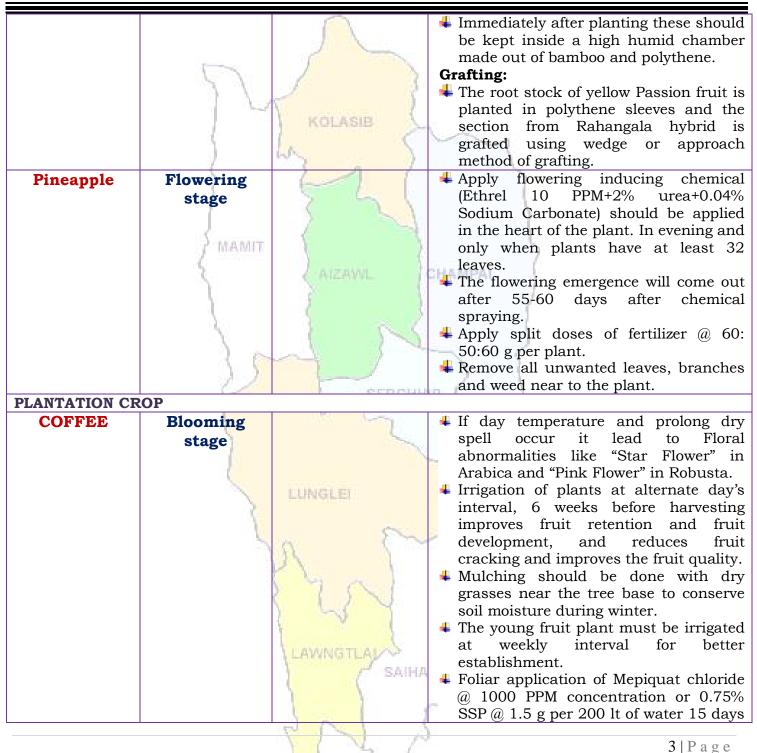
Main Cron/	Store	Cultural	Agricultural / Horticultural/ animal
Main Crop/	Stage		
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	1	4 In the citrus belt, trees can be planted
LIME	J	WALL N	at any time, however, spring is the best
	(5 1 1	time for container grown plants.
BANANA	(Standard-size trees should be spaced
	f i i i i i i i i i i i i i i i i i i i		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	> MAMIT	1	exact distance depends on the variety.
	2	and the state of the	The bigger the fruit, the farther
PLUM AND	5	A AIZAWL	the distance.
PEACH			4 If the soil is not well-drained, plant the
FEACH		1 ()	trees on a slight mound to
	4	1 6 6	prevent water logging.
	1	1 1 1	4 Mulching should be done with dry
	1.5		grasses near the tree base to conserve soil moisture during winter.
	12		
	the second	SERCHH	at weekly interval for better
	1	No log	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
	1	greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	2	butterfly and leaf	borne disease.
	1	minor exce	Lamon butterfly - Spray monocrotophos
	5	N (~~	@0.04% @1.2 ml/lt of water.
		1	Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
		1 1 1 1	 emergence. 4 Citrus Canker- Apply bacterimycin
		1 55 7	a0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
i assion riult		LAWNGTLAL	quality fruits and free of virus diseases
	stage	- SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		1 2 1	beds.
L			
		1 4	2 P a g e



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CEREALS AND PULSE CROPS Pre Kharif Rice Transplanting stage MAMIT Water level shall be maintained for better transplant. Plough the field two to three times. Plough the field two to three times. According to weather forecast next five days rainfall possibility is less so make a bun around the field and close all out late for well maintenance of water in the field. Jhum Rice Germination stage Maize (Jhum) Vegetative stage Maize (Jhum) Vegetative stage				1	
CEREALS AND PULSE CROPS Pre Kharif Rice Transplanting Rice MAMIT Additional and the field and close and seedings in nursery or corner of the field and close all out late for well maintenance of water in the field. Jhum Rice Germination stage Jhum Rice Germination stage Maize (Jhum) Vegetative stage Maize (Jhum) Vegetative stage					interval.
AMARE fire line to protect the young tree and seedlings. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. CEREALS AND PULSE CROPS Pre Kharif Transplanting stage Interference Jhum Rice Germination Jhum Rice Germination Maize (Jhum) Vegetative INAGE Maize (Jhum) Vegetative INAGE Maize Vegetative INAGE Maize Vegetative INAGE Maize Vegetative INAGE Maize Vegetative INAGE Maize Vegetative INAGE IMaize Vegetative INAGE In possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth and stability in rot zone. INAGE In possible use straw mulch/ grass mulch in row to prevent moisture loss and maximum temperature will be high so maintain the moisture level in the fiel	Rubber	Nursery stage		-	Clearing operation may be done during
Maize (Jhum) Vegetative stage Cermination stage Uncted Maize (Jhum) Vegetative stage Luncte According stage to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field.					the month of February to April.
 KOLASIB * 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. CEREALS AND PULSE CROPS Pre Kharif Rice Transplanting stage MAMIT Water level shall be maintained for better transplant. Plough the field two to three times. According to weather forecast next five days rainfall possibility is less so make a bun around the field and close all out late for well maintenance of water in the field. Transplant 2-3 seedlings in one place for avoid gap filling. SERCHI Maize (Jhum) Maize (Jhum) Vegetative stage Maize (Jhum) Stage Maize (Jhum) Stage Maize (Jhum) Stage Maize (Jhum) Stage Maize (Jhum) Maize (Jhum)<!--</th--><th></th><th></th><th>1</th><th>-</th><th>Make fire line to protect the young tree</th>			1	-	Make fire line to protect the young tree
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Rice stage better transplant. MAMIT Plough the field two to three times. 4 According to weather forecast next five days rainfall possibility is less so make a bun around the field and close all out late for well maintenance of water in the field. Jhum Rice Germination stage SERCH 4 Spacing should be 20 cm row to row and 15 cm plant to plant. Jhum Rice Germination stage According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Maize (Jhum) Vegetative stage 4 According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Maize (Jhum) Vegetative stage 4 According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. Maize (Jhum) Vegetative stage 4 According to weather forecast possibility of rainfall is very less and maximum temperature will be high so maintain the moisture level in the field. H Foresible use straw mulch/ grass mulch in row to prevent moisture level in the field. H Foresible use straw mulch/ grass mulch in row to prevent moisture level in the field.	CEREALS AND I	PULSE CROPS			* *
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fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss			LAWNGTLAN	-	
If possible use straw mulch/ grass mulch in row to prevent moisture loss			/ SAIHA	-	
mulch in row to prevent moisture loss					0
				-	
			1 6		muich in row to prevent moisture loss
			X X X	-	4 P a g e



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				and botton growth of plant
Rabi Maize	Harvesting		4	and better growth of plant. Harvest all mature cobs from the plant.
Rabi Maize	stage		1	Keep the cob for sun dry, so moisture
	stage		-	level will be maintain.
	1 1	5	4	Thresh the seeds from cob and keep for
		5		drying.
		KOLASIB	4	Dry straw should keep for mulching in
			0	the field.
VEGETABLE CR	OP	1.6. 3		
Cowpea	Vegetative		4	According to weather forecast
compou	stage			possibility of rainfall is very less and
	Stuge			maximum temperature will be high so
	1			maintain the moisture level in the field.
	? MAMIT	N X	4	Earthing up soil for better growth and
	ζ	1	2	stability in root zone.
		A A ZAWIL	₹.	Use split dose of any nitrogenous
	1	5		fertilizer for better growth.
			-	If possible use straw mulch/ grass
	1			mulch in row to prevent moisture loss
		\sim 1^{\sim}		and better growth of plant.
Okra	Vegetative		4	According to weather forecast
	stage	_ SERCHH	i P	possibility of rainfall is very less and
		1 m		maximum temperature will be high so
				maintain the moisture level in the field.
			-	Earthing up soil for better growth and
				stability in root zone.
		1000 (1000 PM)	+	Use split dose of any nitrogenous
		LUNGLEI		fertilizer for better growth.
	1		7	If possible use straw mulch/ grass
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2	mulch in row to prevent moisture loss
Ginger and	Sowing stage			and better growth of plant. Rhizome should be treated with Thiram
turmeric	Sowing stage		N	(a)4 g/kg seed.
turmente		1201	J)	Use optimum seed rate (50-60 kg/ha)
		1 La Y	1	for desire plant population.
			4	Apply well decomposed FYM/ pig
		L'anner and	5	manure @ 10-20 t/ha along with
		LAWNGTLAV		120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
		C SAIHA		incorporate with soil before sowing.
				Half nitrogen dose will use at the time
		1 22 1 1	Ż	of sowing and remaining 25% after one
			-	
				5   P a g e



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Colocasia	Sowing stage		<ul> <li>month and 25% at flowering stage.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted</li> </ul>
			<ul> <li>5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBE	NDARY		
Pig	All stages	AIZAVAL	<ul> <li>As the weather gets colder, your pigs 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</li> </ul>
			slow-release energy with the added advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
	1 1 1	Reproductive	
	))	<b>Respiratory</b>	
	F	Syndrome CHH (PRRS).	IP
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group		• Due to prolong dry spell there is a shortage of green grass in the field For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repea every 6 month.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
Poultry	Litter management	SAIHA	Birds require adequate space, sufficien feed to meet their nutritiona requirements and an adequate supply of good-quality water.



### ICAR RESEARCH COMPLEX FOR NEH REGION

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



		0	-	Good management and sanitation are
				the best ways to avoid infectious
				disease in poultry.
		1	4	Provide ample quantity of clean
	1 6	1		drinking water.
		V	4	Avoid feeding of mouldy feed. Don't
		KOLASIB	0	make sudden changes in feed
	Preventive	0-3 rd week	4	Ranikhet Disease- F1 vaccine at (1-6)
	measures	19 S ( )		days of birth and R ₂ B vaccine for adult
		2 1		birds.
			4	B complex with antibodies
		4 th weeks	4	Coccidiosis- Amprolium or
	100			coccidiostat
	7 MAMIT	4-5 th Weeks	4	Calcium tonic fortified with $B_{12}$
FISHERY	5	ATZ BAN	1.00	AMPAI
FISHERI	Dend	3 rd -4 th weeks	4	Nervertite
	Pond	314-4th weeks	-	Application of fertilizers/manure helps
	preparation			in development of plankton which serve as natural feed for the fishes.
	1 1	$\sim$ $1$		Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year.
	() ()			One third of the total dose should be
		SERCHH	(P)	applied initially and the rest may be
		V		applied in a spilt doses.
				Single super phosphate should also be
				applied at the rate of 250 kg/ha in the
			-	pond.
		0000055550		After one week of application
		LUNGLEI	17/	development of planktons could be
	4		1	observed in the pond depending on the
		S	2	colour of the water. Yellowish green
	1	A 8 65	1	colour is an indicator of the good
			- 10	plankton development.
		M ACL	4	Transparency of the water needs to be
			(	maintained at 30-40 cm.
<u> </u>			- 3	
		1		
		LAWNGTLAN		
		SAIHA		
				<del>, 1</del>
		Contract of the second	1	3
		N N		
		Y V V		7   P a g e



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Guwahati)



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



### **District:** Lawngtlai

Bulletin	<b>No:</b> -	698,	/2017	/ Bull	etin/	Mizo
			1.13	11 A.		

Period: 06 May - 10 May, 2017

### Date of issue: 05th May, 2017

	1 1	P.	1		
Parameters	06.05.2017	07.05.2017	08.05.2017	09.05.2017	10.05.2017
Rainfall (mm)	0	0	0	0	3
Max Temp (°C)	35	34	34	35	33
Min Temp (°C)	22	22	22	23	23
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Mainly clear
Max RH (%)	82	86	91	93	96
Min RH (%)	27	30	34	33	37
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E
Souther	ly- <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) Lawngtlai-291.20mm		(359.89mm) 326.00mm	(507.7n) Mamit-204.87n		(428.1mm) -411.72mm
(453.1mm)		465.14mm)	(442.80n	-	(259.62mm)
Weather summary of	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
three days	-	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	7 chhunga s	sik ien sa
			<mark>dinhmun tu</mark>		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):91- Minimum RH (%):54-9 Wind Direction: south Cloud cover: Mainly of Wind speed: 2-3 km/1 Rainfall: 00.0 mm	9-22°C ( 98% ( 90% ( neasterly ( clear ( br	Fun ni 1 chhun tura beisei a ni. 1 vawh lai ber in berin 82-96% le niin. Thli hi dark zawngin a tleh n hian khawthiang <b>Weekl</b>	Khua a lum lai 22-23°C ni tu h a hniam lai ar khatah 4 kr rin a ni. A tlar tak hmuh bei	berin 33-35°C ara beisei a ni berin 27-37% 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 13 April 2 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Arren of Conditions	wet mildly dr	y/mildly wet

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



### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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 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	CALL REPORT	rah tan tirin chawlhkar hnih chhung chu				
		Mark 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				
	2	$\alpha$ (~~	Phosphobacterium a enkawl tur ani.				
		31	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	$\langle \rangle \rangle$	<b>4</b> 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.				
	2   Page						

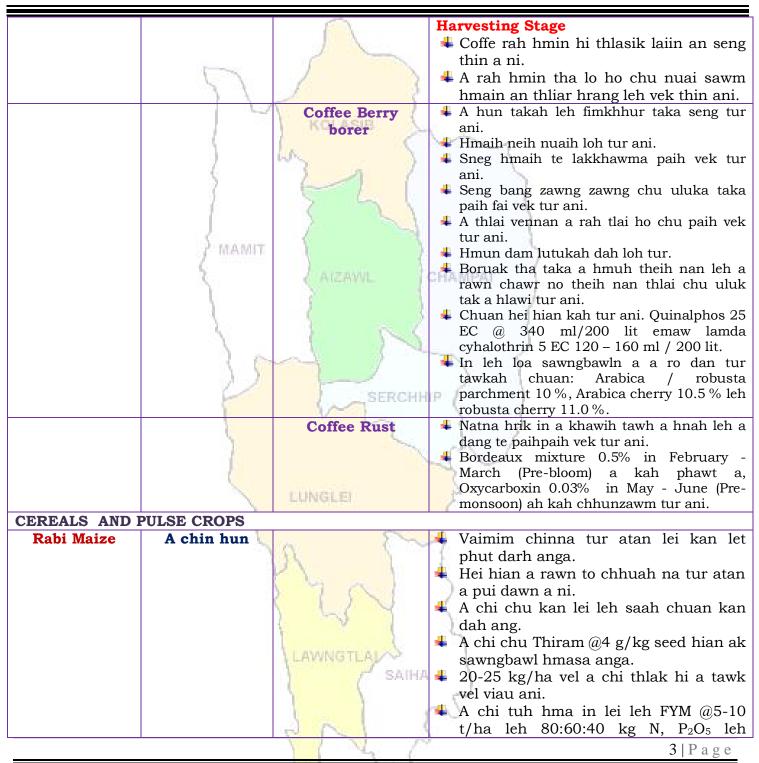


#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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Soybean, pea, lentii toria, breen gram and black gram cultivation in rice fellow       All stage       Zero tillage       4 A than a that theih nan nikhat danah ui pek thin tur ani.         Potato       Sowing stage       4 A than a that theih nan nikhat danah ui pek thin tur ani.         Potato       Sowing stage       4 Muangchang loving alu chin na tur chu buatsaih vat ur ani.         VEGETABLE CROP       Black spot disease       Image lowing lowing len in hunu laiin natha hrikin lakah a veng dawn ani.         VEGETABLE CROP       Black spot disease       Image len in hunu lain an an kai han buka laisease         Image len in tur ani.       Image len in hunu lain an tana hikat danah ui pek thin tur ani.         VEGETABLE CROP       Black spot disease       Image len in hunu lowin hunu lowin and an kain theih nan nikhat danah tui pek thin tur ani.         VEGETABLE CROP       Black spot disease       Image len in hunu lowin and an kain theih nan nikhat danah tui pek thin tur ani.         Tomato       Black spot disease       Image len in hunu lowin an in tur thein nan nikhat danah tui pek thin tur ani.         Image len in tur ani.       Thai bul vawn hnawn mana thlai bula him ring vawm khawm hi tui pek zawha dah tur ani.				
Ientil toria, breen gram and black gram       Iui pek thin tur ani.         Lei nih vur hian thlai kung te a veng ve ani.         cultivation in rice fellow         Potato       Sowing stage         Potato       Bacterial Blight disease         Luncte       Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .         Hunnah chuan natna an kai hma bik ani.       Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indoil emaw Mancozeb @ 2 gn hi tui liter 1 ah pawlh a kah tur ani .         Early Cole crop       Black spot disease		2	$\sum$	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.
Potato       Sowing stage         # Muangchang loving alu chin na tur chu buatsaih vat tur ani.         Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.         Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.         A chi thlak hma in a chi chu en fiah hmasak tur ani.         VEGETABLE CROP         Tomato         Bacterial Blight disease         LUNGLE         Tomato         Bacterial Blight disease         LUNGLE         Tomato         Bacterial Blight disease         LUNGLE         LUNGLE         Tomato         Back spot crop         A than a that theih nan nikhat danah tu pek thin tur ani.         Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .         Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.         Tomato bikah chuan natna an kai hma bik ani.         Tomato bi 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 .         A than a that theih nan nikhat danah tu pek thin tur ani.         Thia bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.	lentil toria, breen gram and black gram cultivation in	}	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</li> </ul>
TomatoBacterial Blight diseaseTomatoTomatobikahchuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .Early Cole cropBlack spot disease4A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Tikhlum lam chi ah chuan sik leh		Sowing stage	LX	<ul> <li>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</li> </ul>
crop       disease         LAWNGTLAI       tui pek thin tur ani.         SAIHA       Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.         Zikhlum lam chi ah chuan sik leh		Bacterial		<ul> <li>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</li> <li>@ 2 gm hi tui liter 1 ah pawlh a kah</li> </ul>
	•	_		<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</li> </ul>
4   P a g e			617 A	4   Page



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Onion and capsicumNursery stagePoly houseHain an chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thlai bing auto han many hang hand han a that hai bul him ring wawn khawm hi tui pek zawhah dah tur ani.Thlai bul wawn hnawn nana thlai bul him ring wawn khawm hi tui pek zawhah dah tur ani.Phytopthora blightPhytopthora blightA thian an thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.French bean radishSowing stageTui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hina tha tur ani.Carrot and radishSowing stageTui pek h nihnah hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hina tha hle ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hina tha hle ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hina tha hi dui na ani.A than a that theih nan nikhat danah tui pek hina tur ani.A than a that theih nan nikhat danah tui pek hina tur ani.A than a that theih nan nikhat danah tui pek hina tur ani.Tui pek hina ha chuan sik leh sa vangin a hnah ah thil dun a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nanThlai hna lam chi leh zikhlum lam chi reng reng enkawl nan	ICAR			
capsicumtui pek thin tur ani.capsicumImage: capsicumImage: capsicum <th></th> <th>5</th> <th>A To fair and to fair it and</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	A To fair and to fair it and	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Hueh taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing stage4 Tui pek 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 			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</li> </ul>
Carrot and radish Sowing stage A than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35	Phytopthora	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.       Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		<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>
		•	PN	



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NIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahn in tih lumna tur atan chakna ar mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tan hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atan em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMIT	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 all emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	<ul> <li>Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tu lak atang a venna tha ber ani.</li> </ul>
		201	<b>6</b>   P a g e



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



	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	U-O WEEK	1-6 ah F1 vaccine pek tur ani a, chuan
	meusures	211	a puitlingh chuan $R_2B$ vaccine pek tur ani.
	1		B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium or
	7 MAMIT		coccidiostat
510115517	A CONTRACTOR OF A	4-5 th Weeks	<b>4</b> Calcium tonic fortified with $B_{12}$
FISHERY			CHAMPAI
	Pond	3 rd -4 th weeks	Lon tih mai planktana ingiam pan a
	preparation	3 8.6	kan tih mai planktons insiam nan a tanpui thin.
	(Dil buatsaih)		Bawngek hring 10 tonnes/ha/year vel
	K	LUNGLEI	dil ah hman thin a ni a; bawngek
			<ul> <li>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,

Guwahati)



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