

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: - 709/2017/ Bulletin/English

Period: 14 June - 18 June, 2017

Date	of issue:	13 th June	, 2017
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	1	10 - C				
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017	
Rainfall (mm)	14	5	4	3	45	
Max Temp (°C)	25	28	30	31	29	
Min Temp (°C)	21	22	22	22	21	
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy	
Max RH (%)	98	99	99	98	99	
Min RH (%)	82	51	71	84	71	
Wind Speed (KmpH)	2	2	3	3	4	
*Wind Direction	N-E	S-W	E	S-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
STATUS OF MONSO	OON- April 1-3	0, 2017 (Percent	of deviation fr	om normal in p	arenthesis)	
Aizawl- 384.87mm	Champhai	i- 105.48mm	Saiha- 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7r	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm	<mark>Mamit-204.87n</mark>	<mark>1m Serch</mark> hip	-411.72mm	
(453.1mm)		(465.14mm)	(442.80r		(259.62mm)	
Weather summary of	of the past	Weather forec	ast valid from	14 th June, 20	17 To 18 th	
three day	s		June, 2	017.		
Maximum Tem. (°C):2	23-25°C ′	There are chances of heavy to moderate and light rainfall				
Minimum Tem. (°C):1		during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-31°C				
Maximum RH (%):98-	/					
Minimum RH (%):86-		and 21-22°C. M				
Wind Direction: Sout		the range of 98				
Cloud cover: Mainly o	cloudy .					
Wind speed: 2-5 km/	nr	Wind direction would be northeasterly to southwesterly to easterly and southeasterly with the wind speed of 2-4 km				
		2	2			
Rainfall: 13.8 mm		per hour. Mainly cloudy sky will prevail during the next				
	-	five days.				
		Weekl	y cumulative i	rainfall: 71.0 1	mm	
			4			
		LAWNGTLAL				
		7 SAL	HA V			
			al			
		1 8	1 ~			
		11	12		1 D a g a	
			9		1 P a g e	



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NDVI for Mizora	am Stage	North East Region 11 May 2017 13 May 2017 14 May 2017 14 May 2017 14 May 2017 14 May 2017 15 May 2017 15 May 2017 15 May 2017 16 May 2017 17 May 2017	Moderately wet mildly dry/mildly wet conditions Agricultural / Horticultural/ animal
Animal /Fisheries	Stuge	practices/ Pest/ Diseases	husbandry advisories
FRUITS CROPS			
KHASI MANDARIN AND ACID LIME	Seedling transplanting stage	AIZAWIL	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So soil moisture should be maintained in the field. If very shortage of rainfall will be
BANANA			observed then use grass mulch or straw mulch near to the base of the plant.
STAR FRUIT	25	SERCHH	 Medium to young seedling should be support by bamboo stake. In the citrus belt, trees can be planted
PLUM AND PEACH			 at any time; however, spring is the best time for container grown plants. Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance. Use split dose of fertilizer for normal
		1	growth and development.
		Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor SAIHA	 According to forecast and past weather record, probability of rain will be less and temperature will be high. So following pest problem will be high Lamon butterfly- Spray monocrotophos



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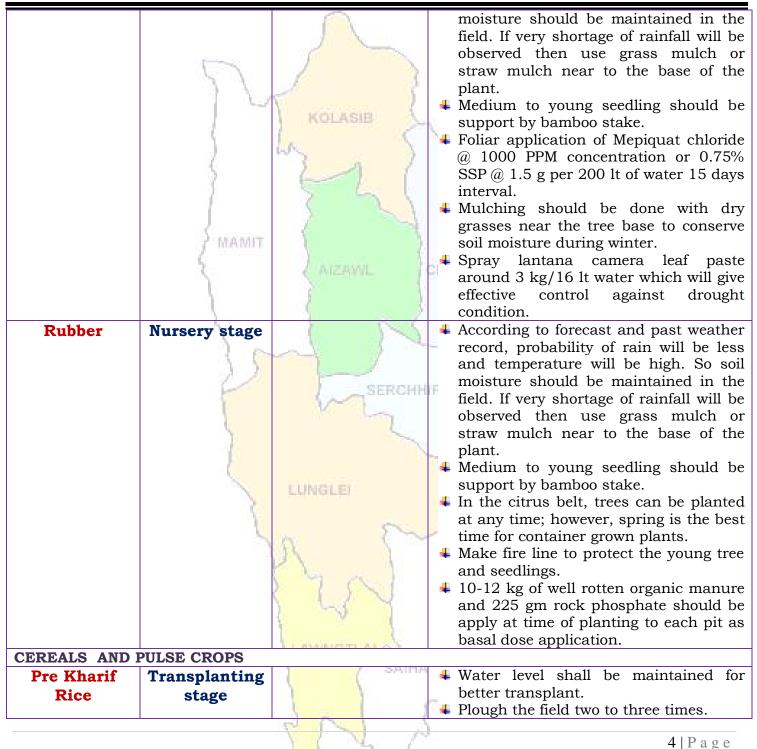
		6	4 Citrus Contor Apply hestorion
			Citrus Canker- Apply bacterimycin @0.6 g/lt of water.
Passion Fruit	Vogototivo	1	Trail semi hard wood stem to bower
Passion Fruit	Vegetative	1	
	stage	1 5	structure
	1 1 2	5	Clean near the base of the plant.
		KOLASIB	According to forecast and past weather
	1	1	record, probability of rain will be less
		When I	and temperature will be high. So soil moisture should be maintained in the
	(5 1	
	(field. If very shortage of rainfall will be
	1	2 5	observed then use grass mulch or
		2	straw mulch near to the base of the
	7 MAMIT	0	plant.
	1 manual	1	Medium to young seedling should be support by hombos states
	2	Aphid	support by bamboo stake. According to forecast and past weather
		Арпіа	
	1	1 3	record, probability of rain will be less
	2	3 6 6	and temperature will be high. So apply insecticide like imidacloprid 0.5 ml or
		1 1 1 1	phosolone 1.5 ml or acephate 1.0 g or
	1. P		dimethoate 2 ml/lt of water.
Dinconnlo	Flowering		Apply flowering inducing chemical
Pineapple		SERCHH	(Ethrel 10 PPM+2% urea+0.04%
	stage	V- L	Sodium Carbonate) should be applied
	4		in the heart of the plant. In evening and
			only when plants have at least 32
			leaves.
	1	LUNGLEI	The flowering emergence will come out
	2	ic strong ic con	after 55-60 days after chemical
			spraying.
	4	~ X~	According to forecast probability of rain
			will be moderate to high and
			temperature will be less so run off and
		2 1 5 1	proper drainage should be maintained
		D LS Y	in the field.
		1	Remove all unwanted leaves, branches
		LANDAUGTE ALLAS	and weed near to the plant.
PLANTATION CR	ОР		
COFFEE	Vegetative		4 According to forecast and past weather
	stage		record, probability of rain will be less
	_	N R I	and temperature will be high. So soil
		R IN A	2 D o o o
		1	3 P a g e



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		KOLASIB	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Transplant 2-3 seedlings in one place for avoid gap filling. Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling.
Jhum Rice	Germination stage MAMIT	AIZAVVL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
Maize (Jhum)	Vegetative stage	SERCHHIF	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
VEGETABLE CR	OP	1	
Cowpea	Vegetative stage		 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
Okra	Vegetative stage	LAWNGTLAL	According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.
		Y Z P	5 P a g e



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	7	Okra leafroller KOLASIB	 Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant. Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.
Ginger and turmeric	Sowing stage	AIZAVIL	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Colocasia	Sowing stage	SERCHH	 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 HUSBEI	NDARY	·	
Pig	All stages		 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.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
		NY NY	6 P a g e



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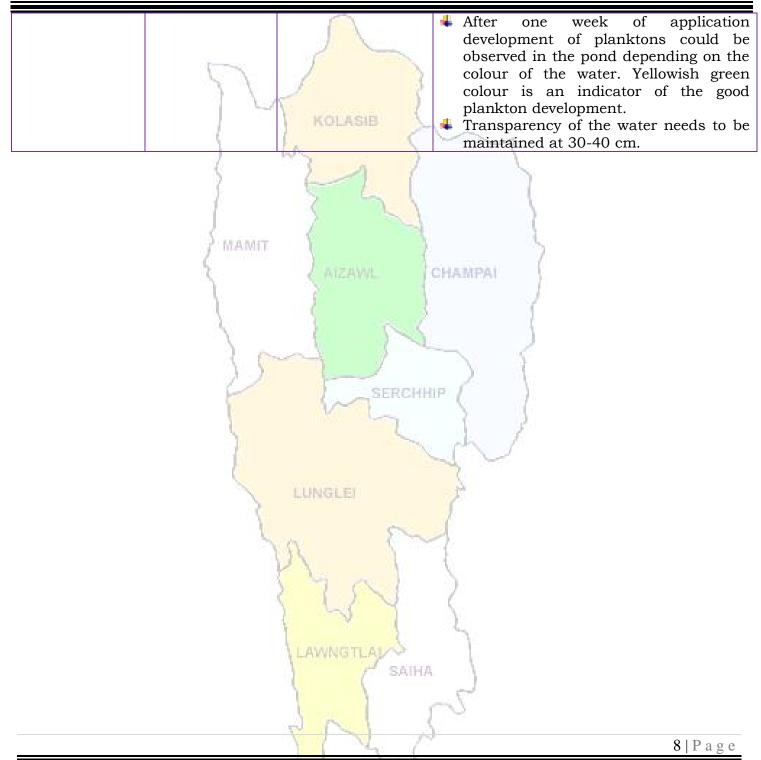
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Adult stage	Swine lever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month
			interval
Cattle	All age group	1	Line war
outtio	IIII ago group	1 5	condition, animal are advised to keep
			under shade.
		KOLASIB	Vaccination is mandatory for the cattle
		6	prior to monsoon to protect from
		WA ST	disease like Anthrax, Black Quarter,
	()	1 1 1	Foot Mouth Disease, Duck Plague.
Poultry	Litter		 Birds require adequate space, sufficient
roundy	management		feed to meet their nutritional
	management		requirements and an adequate supply
	AMAMIT	1	of good-quality water.
	A state contract.	And the second s	Good management and sanitation are
	1	A AIZAWL	the best ways to avoid infectious
		1	disease in poultry.
		5	4 Provide ample quantity of clean
	4	1 640	drinking water.
	1 2	1 1 1	4 Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	measures	(~ SERCHH	days of birth and R ₂ B vaccine for adult
		No. Log	birds.
			📕 B complex with antibodies
		4 th weeks	4 Coccidiosis - Amprolium or
			coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	5		5
	Pond	3 rd -4 th weeks	Application of fertilizers/manure helps
	preparation	A	in development of plankton which serve
	propulation	21. 1	as natural feed for the fishes.
		D T CL	4 Raw cowdung should be applied in the
	5	V LI V	pond at the rate of 10 tonnes/ha/year.
			One third of the total dose should be
		Company and Co	applied initially and the rest may be
		LAWNGTLAL	applied in a spilt doses.
		/ SAIHA	+ Single super phosphate should also be
			applied at the rate of 250 kg/ha in the
		Constant of the	pond.
		201	<u></u>
		Y C Y	7 P a g e



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Bulletin No: - 709/201	17/ Bulletin/Mizo	1
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Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

Demonsterne	14.00.0017	15.00.0017	16.06.0017	17.00.0017	10.00.0017
Parameters	14.06.2017		16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	21	17	28	12	11
Max Temp (°C)	31	31	28	30	30
Min Temp (°C)	21	21	20	20	22
Cloud Coverage	Mainly cloudy		Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	99	98	99
Min RH (%)	82	51	71	84	71
Wind Speed (KmpH)	2	2	3	3	4
*Wind Direction	N-E	S-W	E	S-E	S-E
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- S-E,	
		Westerly- <mark>S-W</mark> , We			
STATUS OF MONSO					arenthesis)
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)	· · · · · · · · · · · · · · · · · · ·	(465.14mm)	(442.80n	-	(259.62mm)
Weather summary		14 th June- 1	• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	
three day	-				SIN ICH Sa
`			dinhmun tu		
Maximum Tem. (°C):2		Tun ni 5 chhur	0		
Minimum Tem. (°C):1		tura beisei a ni. I			
Maximum RH (%):98-		vawh lai ber in	21-22°C ni tu	ıra beisei a ni	. RH san lai
Minimum RH (%):86-		berin 98-99% le	h a hniam lai	berin 51-84%	ni tur a rin
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi dar	kar khatah 2-4	4 km vela chak	in chhaklam
Cloud cover: Mainly o	cloudy	awi zawngin a tle			
Wind speed: 2-5 km/	nr	hian khawthiang		01	i iiga ciiiiaiig
		inan Kilawunang	s lak illiuli bel	sci a iii.	
Rainfall: 13.8 mm		Weekl	u oumulativo	rainfall: 71.0r	
		WEERI	y cumululive	<i>rungun.</i> 71.01	
NIDIT Com Maine		North Fact Declary	Madamet 1		/ :1 -11
NDVI for Mizoram		North East Region 11 May 2017	2	wet mildly dr	y/mildly wet
			conditions		
		02-03] Moder		
		0.4-0.5	Good		
		- xa7	Louise		
		Agriculture vigour is good over most of the parts Northern Tripura and Meghalaya whereas moderate vigour is noticed of the region.	Assam		
			2.0		
		N/N	C.		1 Page

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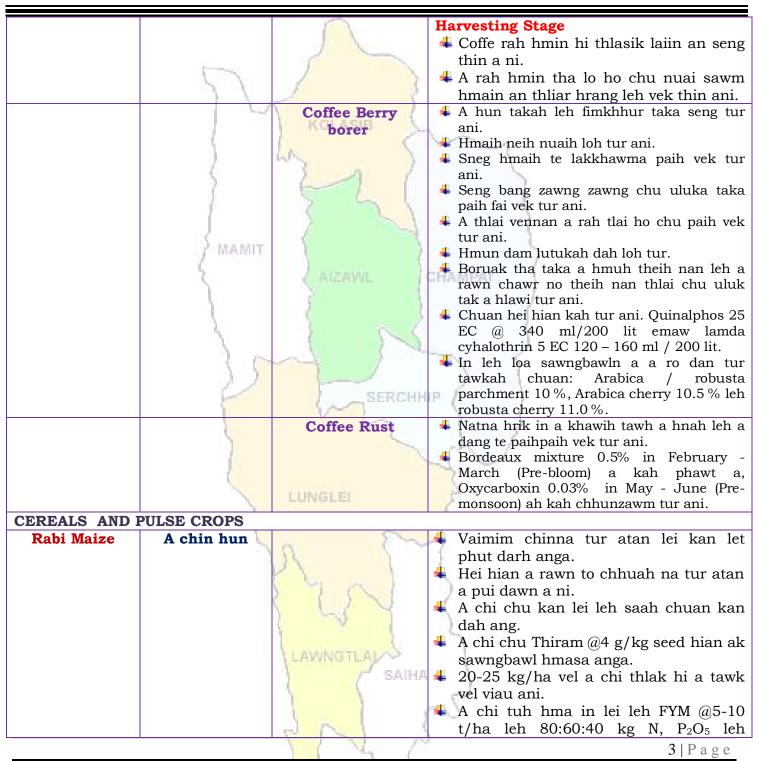
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 NOLNOID >	velah dahkhawm tur ani.
LIME		La N	4 Thlai naupang deuah chuan chawlh
	(3 1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		1 21	te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 marine in		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.
PEACH		Currence oitmus	4 Temperture hniam lutuk leh hnawng vang
	4	Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna
	1 2	greening and	laka vennan Bordeaux past hi thing zar leh
		Dieback	a trangah te hnawih tur ani.
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
		Con CERCHI	rah tan tirin chawlhkar hnih chhung chu
			heng te hian enkawl tur ani: carbaryl 0.2
	1	5	percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
PLANTATION CR	OD		10 g/l.
		LUNGLEI	Newscow store
COFFEE	All stages		Nursery stage
		20	Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.
	1	$\alpha \sim \gamma$	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		19 AL	tlar mumal tak siam in chin tur ani.
	5	$\langle 0 \rangle$	4 Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
		Constant of the second	bag ah an sawn chhuak leh thin ani.
		P N I	
		Y LY	2 P a g e



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	wlh chu hman phawt tur a
hunlaia hr bang 25% ang a adar hman tur a	n dose chanve chu a chi tuh man tur a ni a, tichuan a chu thla khat hnu ah ani ng leh 25% chu a par hunah a ni.
lentil toria, breen gram and black gram	hian thlai kung te a veng ve a lei khoro lutuk tur ven ungah hnim leh thildanga
Potato Sowing stage Muangcha Hei hian a Image: Stage Hei hian a Lei leh hi Lei leh hi taka thlaw A chi thla hmasak tu	hat theih nan nikhat danah
Tomato Bacterial Blight disease	ikah chuan sik leh sa hi kaina tlang lawn ber ani . awng leh ni hmu lo lutuk chuan natna an kai hma bik a uai a, a thih mai loh nan maw Indofil emaw Mancozeb i tui liter 1 ah pawlh a kah
crop disease tui pek thi LAWNGTLAL SAIHA zawhah da	vawn hnawn nana thlai bula g vawm khawm hi tui pek
	a hnah ah thil dum rawn



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	2	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.
Onion and capsicum	Nursery stage	Poly house	 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. 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 P a g a
		1 1	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 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.
		FN1	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,

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
	measures	L. S	1-6 ah F1 vaccine pek tur ani a, chuan
	}	221	 a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium or
	Smanne		coccidiostat
	[MAMIT	4-5 th Weeks	\blacksquare Calcium tonic fortified with B ₁₂
FISHERY	1		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: Mamit

Bulletin	No: -	709	/2017/	Bulletin	/English	
Dunetin	10	109	/ 401 / /	Dunetin	Luguen	

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017	
Rainfall (mm)	15	6	9	3	19	
Max Temp (°C)	27	30	31	32	30	
Min Temp (°C)	22	23	23	23	22	
Cloud Coverage	Mainly cloudy	y Mainly clear	Mainly clear	Mainly cloudy	Partially clear	
Max RH (%)	96	100		95	99	
Min RH (%)	71	52	60	64	72	
Wind Speed (KmpH)	2	2	6	2	4	
*Wind Direction	E	S-W	S-E	S-E	S-E	
Northe	rly- N, North	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO	OON- April 1-3	30, 2017 (Percent	of deviation fr	om normal in p	arenthesis)	
Aizawl- 384.87mm	Champha		Saiha- 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7n	· · · · · · · · · · · · · · · · · · ·	(428.1mm)	
Lawngtlai-291.20mm	Lunglei		<mark>Mamit-204.87</mark> n	· · · · · · · · · · · · · · · · · · ·	-411.72mm	
(453.1mm)		(465.14mm)	(442.80n		(259.62mm)	
Weather summary		Weather forec		14 th June, 20	17 To 18 th	
three day			June, 2	017.		
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):98-		the next 5 days may range for 27-32°C and 22-23°C.				
Minimum RH (%):84-		Maximum relative humidity is expected in the range of 95-				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	100% and minimum may from 52-72%. Wind direction				
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	would be easterl	0			
Wind speed: 2-4 km/	hr	the wind speed of	J	.	2	
		prevail during th	-	2		
Rainfall: 46.8 mm		provan during th	e next nve day	5.		
		Weekl	y cumulative i	rainfall: 52.0 1	mm	
NDVI for Mizoram		North East Region 11 May 2017		wet mildly dr		
			conditions	wet minuty ui	y filliary wet	
			re soll / w ckground			
		0.3-0.4	low			
		03-08 0.6-07 >0.7	} very G			
		Agriculture vigour is good over most of the parts Northerm Tripura and Mechalawa whereas moderate vigour is noticed	Assam			
		Tripura and Meghalaya whereas moderate vigour is noticed of the region.				
		P N	2			
			grant -		1 P a g e	

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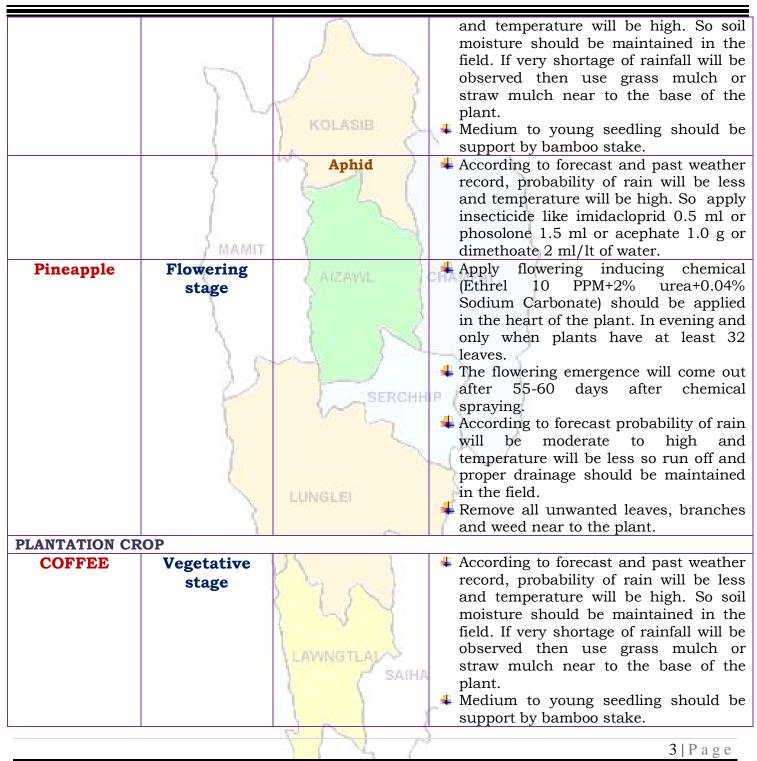
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1 Commenter Ca	and temperature will be high. So soil
LIME	J	WA	moisture should be maintained in the
	(1 1	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	1		straw mulch near to the base of the
			plant.
STAR FRUIT	? MAMIT	1	4 Medium to young seedling should be
	Contraction in the second		support by bamboo stake.
PLUM AND	() ((AIZAWL)	■ In the citrus belt, trees can be planted at any time; however, spring is the best
PEACH			time for container grown plants.
		5	Standard-size trees should be spaced
	5	1 546	12 to 25 feet apart and dwarf trees
) &		should be set 6 to 10 feet apart. The
	A 5		exact distance depends on the variety.
	0	SERCHH	
		~	the distance.
		and weather	4 Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	4 According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	1	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	Lamon butterfly - Spray monocrotophos
		minor	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
		P V	ml/lit of water) at each flush
		1275	emergence.
		1 Li Y	Citrus Canker - Apply bacterimycin
		A A A	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	4 Trail semi hard wood stem to bower
	stage	ANNOILAY SAIHA	atmiating
	<u> </u>	(SAIHA	Liean near the base of the plant.
			According to forecast and past weather
		1 122 1	record, probability of rain will be less
		P I N	
		114	2 P a g e



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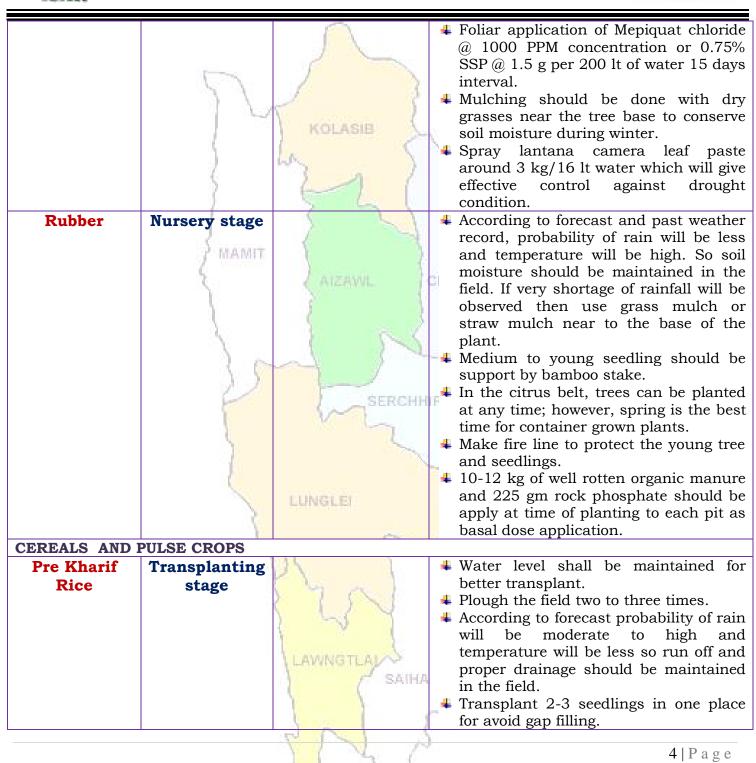




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Jhum Rice Maize (Jhum)	Germination stage Vegetative stage	KOLASIB	 Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. According to forecast probability of rain will be moderate to high and proper drainage should be maintained in the field.
VEGETABLE CR	-MAMIT	AIZAWL	 temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
Cowpea	Vegetative stage		 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bowe: structure Clean near the base of the plant.
Okra	Vegetative stage	LAVINGTLAL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bowe structure Clean near the base of the plant.
		Okra leafroller	Apply insecticide like imidacloprid 0.5 ml of phosolone 1.5 ml or acephate 1.0 g of
		500	5 P a g e



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		0	dimethoate 2 ml/lt of water		
Ginger and turmeric	Sowing stage	KOLASIB	 dimethoate 2 ml/lt of water. Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one 		
Colocasia	Sowing stage	AIZAVUL	 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 HUSBEN	NDARY				
Pig	All stages	LUNGLEI	 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. 		
	7	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.		
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval		
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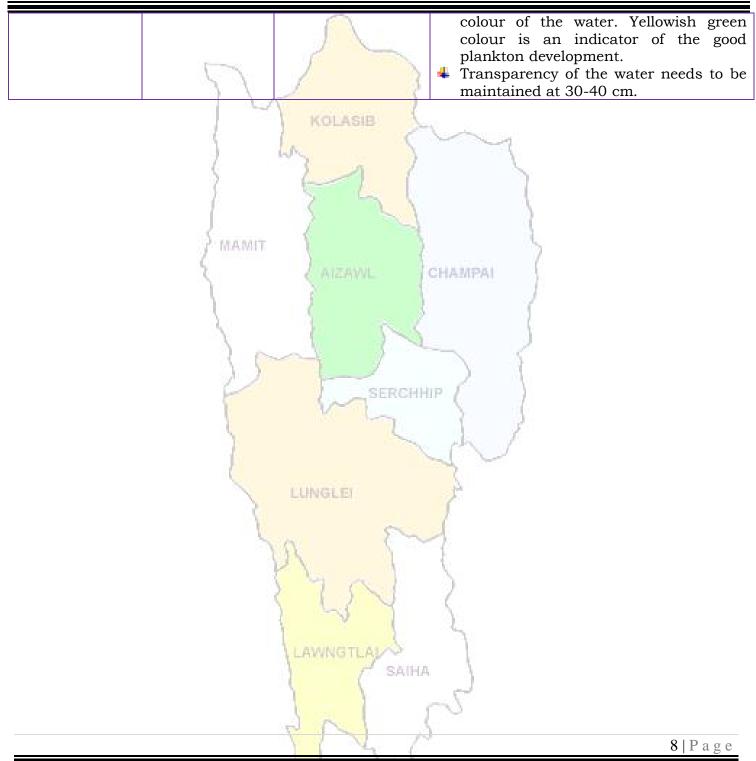


Cattle	All age group	0	Line and the set of
			condition, animal are advised to keep
			under shade.
		1	4 Vaccination is mandatory for the cattle
	1 6	1 3	prior to monsoon to protect from
	14	Vi montecent de	disease like Anthrax, Black Quarter,
		KOLASIB	Foot Mouth Disease, Duck Plague.
Poultry	Litter	La S	4 Birds require adequate space, sufficient
	management	73 6 1	feed to meet their nutritional
			requirements and an adequate supply
	1	5 5 0	of good-quality water.
		5 51	4 Good management and sanitation are
	C. C. and S. C.	1	the best ways to avoid infectious
	7 MAMIT	1	disease in poultry.
	5	AIZAWL 1	+ Provide ample quantity of clean
	() () () () () () () () () ()	A THE PARTY OF	drinking water.
		1	Avoid feeding of mouldy feed. Don't
		1	make sudden changes in feed
	Preventive	0-3 rd week	4 Ranikhet Disease- F1 vaccine at (1-6)
	measures		days of birth and R_2B vaccine for adult
	\rightarrow		birds.
		SERCHH	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
			coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1		~ ~
	Pond	3 rd -4 th weeks	4 Application of fertilizers/manure helps
	preparation	Provide Providence (in development of plankton which serve
			as natural feed for the fishes.
		N 82~	Raw cowdung should be applied in the
		1	pond at the rate of 10 tonnes/ha/year.
	8		One third of the total dose should be
		2 1 5 1	applied initially and the rest may be
	í í	1 4 4	applied in a spilt doses.
			Single super phosphate should also be
		LAWNGTLAL	applied at the rate of 250 kg/ha in the
		SAIHA	pond.
			After one week of application
			development of planktons could be
			observed in the pond depending on the
		1 1 1	7 D o c o
		1 1 0	7 P a g e



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit

Bulletin No :	- 7	09/2	017/	Bulletin	/Mizo
			1		1

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

	1 1	R.					
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017		
Rainfall (mm)	15	6	9	3	19		
Max Temp (°C)	27	30	31	32	30		
Min Temp (°C)	22	23	23	23	22		
Cloud Coverage	Mainly cloudy	Mainly clear	Mainly clear	Mainly cloudy	Partially clear		
Max RH (%)	96	100	99	95	99		
Min RH (%)	71	52	60	64	72		
Wind Speed (KmpH)	2	2	6	2	4		
*Wind Direction	E	S-W	S-E	S-E	S-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.			
Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm) Weather summary of three days Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):84-9 Wind Direction: Sout	(453.1mm)(465.14mm)(442.80mm)(259.62mWeather summary of the past three days14th June- 18th June, 2017 chhunga sik leh dinhmun tur tlangpuiMaximum Tem. (°C):27-29°CMaximum Tem. (°C):18-19°CMaximum RH (%):98-99%Minimum RH (%):84-95%Wind Direction: Southeasterly Cloud cover: Mainly cloudy						
Rainfall: 46.8 mm	1	hian khawthiang tak hmuh beisei a ni. <i>Weekly cumulative rainfall:</i> 52.0mm					
NDVI for Mizoram		North East Region 11 May 2017 14 May 2017	Conditions Conditions Conditions Conditions	wet mildly dr	y/mildly wet		
		111	p)		1 P a g e		

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



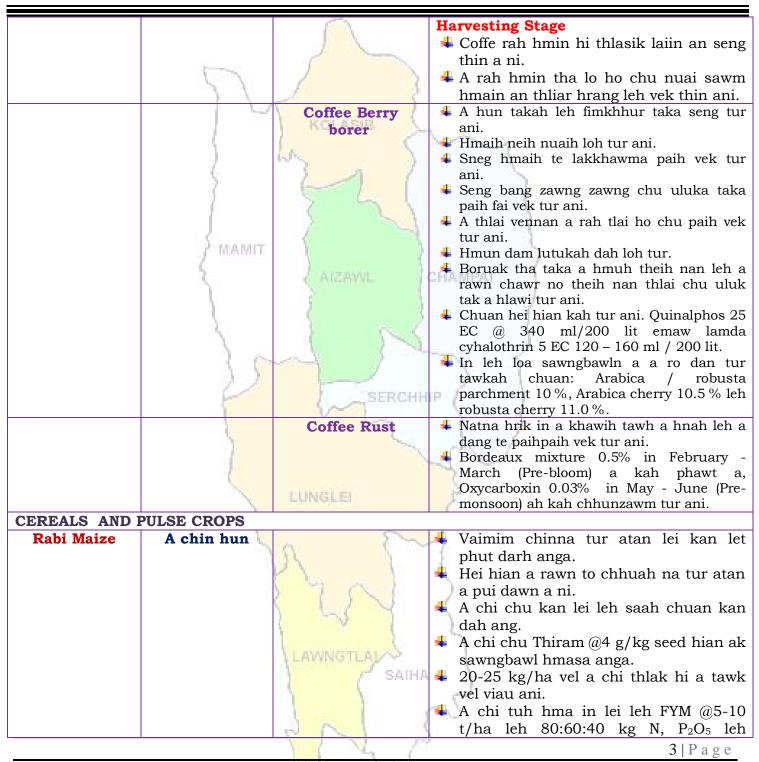
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring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



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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	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
		ENT Y	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM



Onion and capsicumNursery stagePoly houseber ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat dana tui pek thin tur ani.That bul yeawn hnawn nana thlai bul yeawhah dah tur ani.Thlai bul yeawn hnawn nana thlai bul yeawhah dah tur ani.Phytopthora blightPhytopthora blightFrench beanSowing stage4 A chi yen that hean i.Carrot and radishSowing stage4 Tui pek a hnihnah hringa khuh tur a a. t A than a that theih nan nikhat dana tui liter 1 hi 10-15 DAS pek hi a tha hle ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4 A than a that theih nan ni	ICAR			
capsicumtui pek thin tur ani.Image: CapsicumImage: Capsi		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stageImage: Carr			AIZAVIL	 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 stage4A than a that theih nan tui pek hm in lei rin pan hmasak tur ani. 4Carrot and radishSowing stage4A than a that theih nan nikhat dana tur ani.Carrot and radishSowing stage4A than a that theih nan nikhat dana 		35		 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 hnav na tur siam tur ani. Zikhlum lam chi ah chuan sik le	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
LAWNGTLAY SAIHA chi reng reng enkawl na		Sowing stage	LAWNGTLAN	 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 1 1 3	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).	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	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: Saiha

Bulletin No: - 709/2017/ Bulletin/English

Period: 14 June – 18 June, 2017

Date of issue: 13th June, 2017

	N 1	P					
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017		
Rainfall (mm)	5	7	0	0	43		
Max Temp (°C)	26	31	29	31	28		
Min Temp (°C)	22	22	23	23	22		
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	98	99	98	98	98		
Min RH (%)	81	59	82	74	75		
Wind Speed (KmpH)	0	2	2	3	4		
*Wind Direction	N-E	W	E	S-E	E		
	ly- <mark>S</mark> , South-W	Casterly- N-E, Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	grouth agin)		
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm		
(430.2mm)		- 105.48mm \$ 359.89mm)	507.40 f (507.7r		(428.1mm)		
Lawngtlai-291.20mm			(507.71) Mamit-204.87n		-411.72mm		
(453.1mm)		465.14mm)	(442.80n		(259.62mm)		
Weather summary		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
three day	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 14 th June, 2017 To 18 th June, 2017.					
Maximum Tem. (°C):2		There are chanc			light roinfall		
Minimum Tem. (°C):1		luring the next					
Maximum RH (%):97-		0	2				
Minimum RH (%):84-9		emperatures for					
Wind Direction: Sout		and 22-23°C. M		0	-		
Cloud cover: Mainly o	loudu	he range of 98		•			
Wind speed: 2-4 km/hr		Wind direction would be northeasterly to westerly easterly to southeasterly and easterly with the wind speed of 0-4					
	t	.			-		
Rainfall: 24.8 mm		km per hour. Mainly cloudy sky will prevail during the next					
	f	ïve days.					
		Weekl	y cumulative i	rainfall: 55.0 1	mm		
NDVI for Mizoram		North East Region 11 May 2017	Moderately	wet mildly dr	y/mildly wet		
			conditions				
			1 Moder				
		0.4-0.5	low				
		€ 66-0.7 >0.7	} very G				
		Agriculture vigour is good over most of the parts Northerm Tripura and Meghalaya whereas moderate vigour is noticed	Assam in rest				
		of the region.	1.1		1 D		
			0		1 P a g e		



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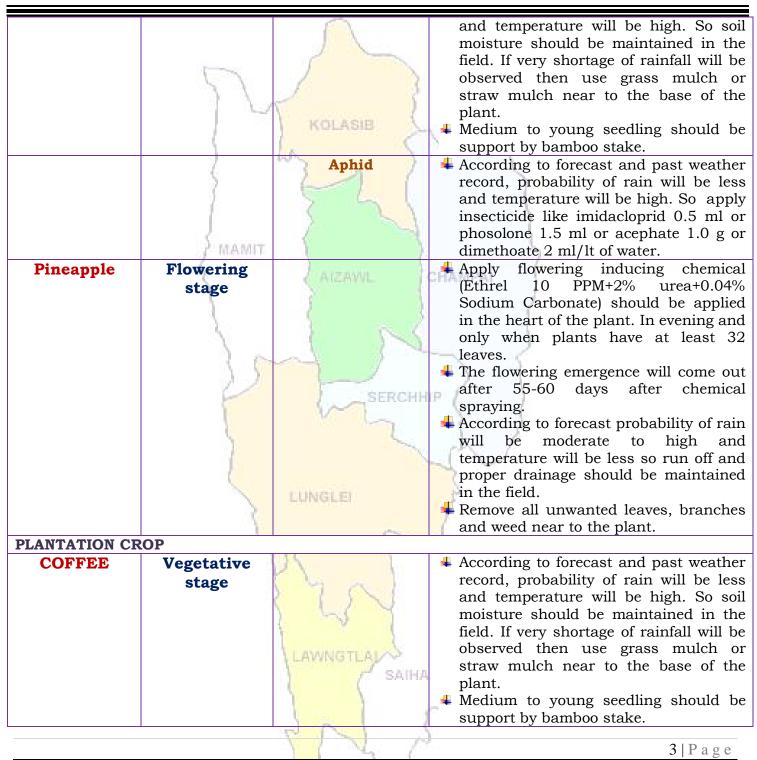
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	£ 1	4 According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	ŭ	WA N	moisture should be maintained in the
	(5 1 1	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	fr fr	1 6 5	straw mulch near to the base of the
	J.	1	plant.
STAR FRUIT	> MAMIT		4 Medium to young seedling should be
	2	and the second sec	support by bamboo stake.
PLUM AND	1	(AIZAWL)	4 In the citrus belt, trees can be planted
PEACH	1		at any time; however, spring is the best
I EACH	1	1 (5	time for container grown plants.
	1	1 1	4 Standard-size trees should be spaced
	1	1 1 1	12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The
	A 57		exact distance depends on the variety.
	12	SERCHH	
		12 Serverin	the distance.
			4 Use split dose of fertilizer for normal
	1	S.	growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	5	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	Lamon butterfly - Spray monocrotophos
	2	minor (@0.04% @1.2 ml/lt of water.
		21	Leaf minor - Spray confidor 0.05% (0.5
		1 7 CU	ml/lit of water) at each flush
		N LI Y	 emergence. Citrus Canker- Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative		Trail semi hard wood stem to bower
	stage	LAWNGTLAN	atmiating
	8-	/ SAIHA	\blacksquare Clean near the base of the plant.
			According to forecast and past weather
		1 122	record, probability of rain will be less
2 P a g e			



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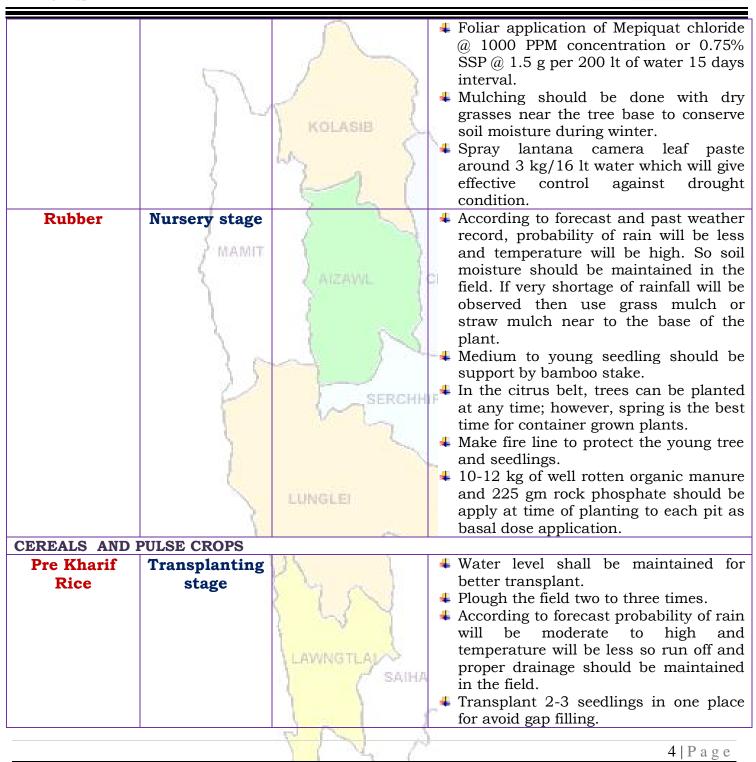




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Jhum Rice	Germination	\sum	 Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling. According to forecast probability of rain will be moderate to high and
	stage	KOLASIB	 temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
Maize (Jhum)	Vegetative stage MAMIT	AIZAWIL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
VEGETABLE CR	OP		<u> </u>
Cowpea	Vegetative stage		 proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
Okra	Vegetative stage		 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant. Apply insecticide like imidacloprid 0.5 ml o
		OKIA ICAITOIIEI	phosolone 1.5 ml or acephate 1.0 g o
		PN A	5 P a g e



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		0	dimethoate 2 ml/lt of water.
Ginger and turmeric	Sowing stage	KOLASIB	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Colocasia	Sowing stage	AIZAWL	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY		
Pig	All stages	LUNGLEI	 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.
	7	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
	•	SAIHA	6 Page



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

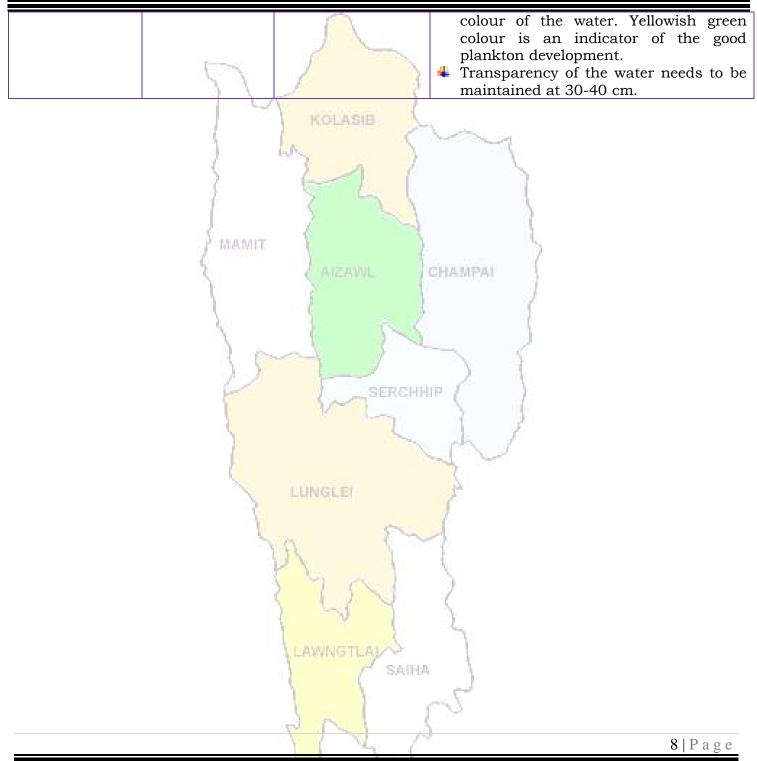


Cattle	All age group	A	During either hot or heavy rainy condition, animal are advised to keep
		2	under shade.
			Vaccination is mandatory for the cattle
	1 1	1 8	prior to monsoon to protect from
	1 10	T I	disease like Anthrax, Black Quarter,
		KOLASIB	Foot Mouth Disease, Duck Plague.
Poultry	Litter		4 Birds require adequate space, sufficient
,	management	WS ()	feed to meet their nutritional
		2 1	requirements and an adequate supply
			of good-quality water.
			4 Good management and sanitation are
	1		the best ways to avoid infectious
	7 MAMIT	X).	disease in poultry.
	5	AIZAWL	4 Provide ample quantity of clean
		Curentine 1	drinking water.
		5	Avoid feeding of mouldy feed. Don't
		1	make sudden changes in feed
	Preventive	0-3 rd week	4 Ranikhet Disease- F1 vaccine at (1-6)
	measures 👝	~ 1 ~	days of birth and R ₂ B vaccine for adult
	3.2		birds.
	2	SERCHH	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
			coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	E.		7 ~
	Pond	3 rd -4 th weeks	4 Application of fertilizers/manure helps
	preparation	2020 C 2020 C 2020 C	in development of plankton which serve
	2.1		as natural feed for the fishes.
	5	$\alpha \sim \infty$	Raw cowdung should be applied in the
	1		pond at the rate of 10 tonnes/ha/year.
	5	(Sa all	One third of the total dose should be
		RISSI	applied initially and the rest may be
		1 5 1	applied in a spilt doses.
			Single super phosphate should also be
		LAWNGTLAL	applied at the rate of 250 kg/ha in the pond.
		- SAIHA	\downarrow After one week of application
		1	development of planktons could be
			observed in the pond depending on the
		2 R	
		VIN 1	7 P a g e
			1 1 4 5 0



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Saiha

Bulletin N	lo: - 70	09/2017	7/ Bulletin	/Mizo
				1

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

			- (A) (A)		
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	5	7	0	0	43
Max Temp (°C)	26	31	29	31	28
Min Temp (°C)	22	22	23	23	22
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	98	98	98
Min RH (%)	81	59	82	74	75
Wind Speed (KmpH)	0	2	2	3	4
*Wind Direction	N-E	W	E	S-E	E
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , W	asterly- E, Sout Vesterly-W, Nort	h-westerly- N-W	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm	Champha Lunglei-	i- 105.48mm (359.89mm) 326.00mm	Saiha- 307.40 (507.7 Mamit-204.87)	mm Kolasib mm) mm Serchhi	- 236.00mm (428.1mm) p-411.72mm
(453.1mm)		(465.14mm)	(442.80		(259.62mm)
Weather summary		14 th June–	18 th June, 20)17 chhunga	sik leh sa
three day	S		dinhmun tu	ır tlangpui 👘	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):84- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-4 km/ Rainfall: 24.8 mm	4-16°C 99% 92% heasterly cloudy	tura beisei a ni vawh lai ber in berin of 98-999 niin. Thli hi da awi zawngin a t hian khawthiar	ing lo awm tur . Khua a lum la n 22-23°C ni t % leh a hniam i rkar khatah 0- tleh rin a ni. A t ng tak hmuh be	i berin 26-31°C tura beisei a n lai berin 59-81° 4 km vela chai langpuiin tun r isei a ni.	2 a ni ang a. A i. RH san lai % ni tur a rin kin chhaklam ni nga chhung
NDVI for Mizoram			2 km sat / w km sat / w 1-33 km sat 1-35 km s 1-35 km s 1-37 } wy a than Asam	7 wet mildly d	ry/mildly wet
		112	13		1 Page

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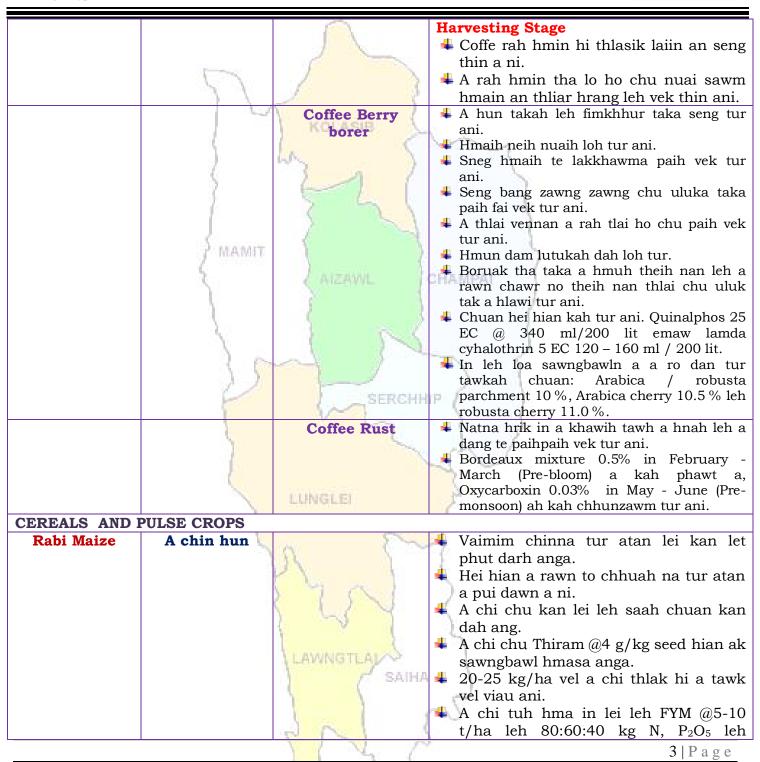
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS		I			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		I I I I I I I I I I I I I I I I I I I	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	1		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	(♣ 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					
	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		
	1.0	greening and Dieback	a trangah te hnawih tur ani.		
	<u>}</u>		Huan zau takah chuan a par tan tirh leh a		
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu		
		Nº La	heng te hian enkawl tur ani: carbaryl 0.2		
	5		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR					
COFFEE	All stages	1121121212121	Nursery stage		
		000	+ Thlai chi thlak hma in <i>Azospirillum</i> leh		
	5	N ~	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 5	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.		
		LAWNGTLAL	Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur		
		/ SAIHA			
			ani. 4 Ni 45 hnu velah a tiak thin a,chu chu		
bag ah an sawn chhuak leh thin ani.					
			2 P a g e		



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	5	\sum	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		612 3	4 P a g e



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Onion and capsicum Nursery stage Poly house Image: Amount of the state o	ICAR			
capsicumtui pek thin tur ani.capsicumImage of the second secon		5	KOLASIB	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage:		Į	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.A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zei 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.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 		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 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	LAWNGTLAN	 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
E D			5 N 2	5 P a g e



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



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



District: Serchhip

Bulletin No: - 709/2017/ Bulletin/English

Period: 14 June – 18 June, 2017

Date of issue: 13th June, 2017

Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017		
Rainfall (mm)	10	3	3	0	58		
Max Temp (°C)	26	30	31	32	31		
Min Temp (°C)	22	22	22	23	21		
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	100	100	100	99		
Min RH (%)	81	49	74	86	71		
Wind Speed (KmpH)	2	2	2	2	2		
*Wind Direction	N-E	W	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							
Aizawl- 384.87mm	· · · · · · · · · · · · · · · · · · ·		<mark>Saiha</mark> - 307.40 n		236.00mm		
(430.2mm)		(359.89mm)	(507.7n	•	(428.1mm)		
Lawngtlai-291.20mm			Mamit-204.87n	•	-411.72mm		
(453.1mm)		(465.14mm)	(442.80n		(259.62mm)		
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forec		14 th June, 20	17 To 18 th		
three day			June, 2				
Maximum Tem. (°C):2		There are chane	ces of very he	eavy to modera	ate and light		
Minimum Tem. (°C):1		rainfall during the next 4 days. The maximum and					
Maximum RH (%):98-		minimum temperatures for the next 5 days may range for 26-32°C and 21-23°C. Maximum relative humidity is					
Minimum RH (%):86-							
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	expected in the 1	range of 99-10	0% and minim	am may from		
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	49-86%. Wind d	irection would	be northeaster	lv to westerly		
Wind speed: 2-4 km/	nr	to easterly and s			5 5		
Rainfall: 37.3 mm		5	•		-		
Kainiali: 37.3 mm		per hour. Mainly cloudy sky will prevail during the next five days.					
		iive dayb.					
		Weekl	u cumulative i	rainfall: 74.0	mm		
NDVI for Mizoram		North East Region 11 May 2017		wet mildly dr			
		and a	conditions	wet innuly ui	y/iiiiaiy wet		
			re toll / w ckaround				
		0.3-0.4 0.4-0.5] Lemi				
		0.5-0.6 0.6-0.7 >0.7					
		Agriculture vigour is good over most of the parts Northern	Assam				
		Tripura and Meghalaya whereas moderate vigour is noticed of the region.	in rest				
		Y N	E. C.		1 P a g e		

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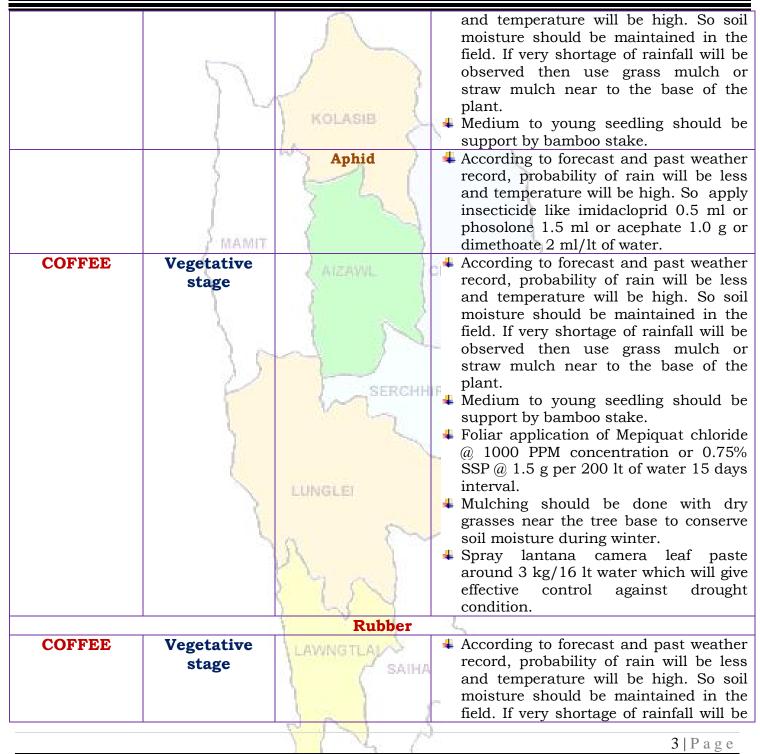
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	J	We I	moisture should be maintained in the
	Q	1 1 1	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	1		straw mulch near to the base of the
			plant.
STAR FRUIT	AMAMIT	1	4 Medium to young seedling should be
	And		support by bamboo stake.
PLUM AND	5	A AIZAWIL	In the citrus belt, trees can be planted at any time; however, spring is the best
PEACH			time for container grown plants.
	(5	Standard-size trees should be spaced
	1	1 1	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
	A 5		exact distance depends on the variety.
	01	SERCHH	
		10-11-	the distance.
			4 Use split dose of fertilizer for normal
			growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	1	Dieback, Lamon	following pest problem will be high
		butterfly and leaf	Lamon butterfly - Spray monocrotophos
		minor	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5
		P V.	ml/lit of water) at each flush
		1225	emergence.
		1 LI Y	4 Citrus Canker- Apply bacterimycin
		Y Y	@0.6 g/lt of water.
Passion Fruit	Vegetative	La analyzer and	4 Trail semi hard wood stem to bower
	stage	LAWNGTLAV	atmiatiira
	Ŭ	C SAIHA	4 Clean near the base of the plant.
			4 According to forecast and past weather
		1 12 1	record, probability of rain will be less
		THE A	
		1 4 (2 P a g e



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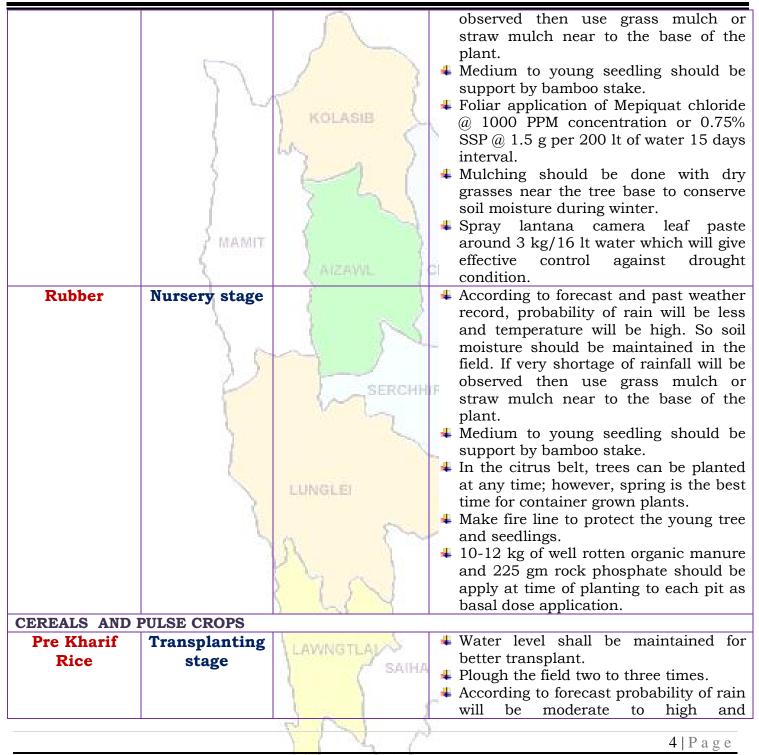




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Jhum Rice	Germination	KOLASIB	+ + _+	temperature will be less so run off and proper drainage should be maintained in the field. Transplant 2-3 seedlings in one place for avoid gap filling. Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling. According to forecast probability of rain
	stage MAMIT	AIZAVIL	çi 4	will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
Maize (<i>Jhum</i>)	Vegetative stage	SERCHH		According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
VEGETABLE CR	OP			
Cowpea	Vegetative stage		+++++++++++++++++++++++++++++++++++++++	According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
Okra	Vegetative stage	LAWNGTLAL		According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
) —	5 D
		4		5 P a g e



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		0	4 Trail semi hard wood stem to bower
			structure
			4 Clean near the base of the plant.
		Okra leafroller	♣ Apply insecticide like imidacloprid 0.5 ml or
	1. 6	1 3	phosolone 1.5 ml or acephate 1.0 g or
		∇	dimethoate 2 ml/lt of water.
Ginger and	Sowing stage	KOLASIB	Rhizome should be treated with Thiram
turmeric	1	(@4 g/kg seed.
	1	~~)	4 Use optimum seed rate (50-60 kg/ha)
	S	2 1	for desire plant population.
	ş		4 Apply well decomposed FYM/ pig
	10		manure @ 10-20 t/ha along with
			120:80:60 kg N, P_2O_5 and K_2O/ha
	P MAMIT	1	incorporate with soil before sowing.
	A CONTRACTOR OF		Half nitrogen dose will use at the time
		A AIZAVVL	of sowing and remaining 25% after one
	No.		month and 25% at flowering stage.
Colocasia	Sowing stage	5	4 Planting is done well prepared land or
		1 64	pits filled up with FYM (12-15) t/ha
		1 1 1	Sprouted corms or cormels are planted
	Mar 🕅		5-7 deep at a spacing of 40-50 cm
	12		between and within rows in the pits.
		SERCHH	4 Inorganic fertilizer like Urea, SSP and
		No log	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY		
Pig	All stages		4 As the weather gets colder, your pigs'
-			energy requirement will increase, as
	1	LUNGLEI	they need more energy to keep warm.
	>	Proto Contraction of the second se	W Regularly monitor their level of 'fitness'
	1		and increase their feed intake to
		N 800	Maintain.
			Fish oils are excellent for providing
			slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome	
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
	Aunt stage	Swine level.	months and yearly interval/6 month
	1		
		N N N 12	6 P a g e



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

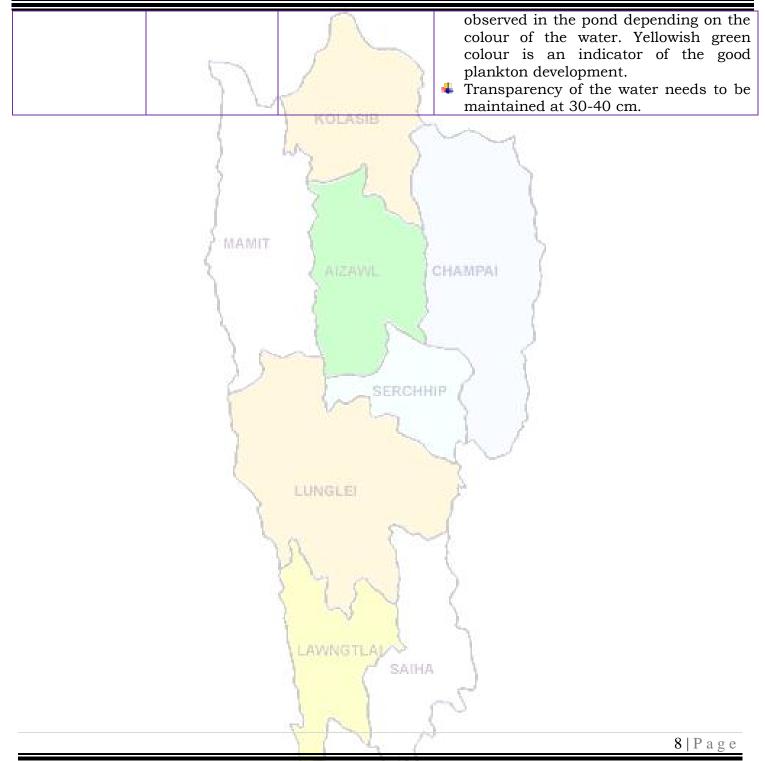


		_	• , 1
0-441	A 11		interval
Cattle	All age group		Uuring either hot or heavy rainy
		1	condition, animal are advised to keep under shade.
	1 1	1 3	
	1 1-2	5	➡ Vaccination is mandatory for the cattle
		KOLASIB	prior to monsoon to protect from disease like Anthrax, Black Quarter,
	1	C C	
De 14	T :44	LA .	Foot Mouth Disease, Duck Plague.
Poultry	Litter	3 1 1	Birds require adequate space, sufficient feed to meet their nutritional
	management		
	1	2 5 1	requirements and an adequate supply
		>	of good-quality water.
	5 MAMIT		Good management and sanitation are
	1 meyana i	1	the best ways to avoid infectious
	2	& AIZAWIL I	disease in poultry. 4 Provide ample quantity of clean
		2	drinking water.
		1 3	Avoid feeding of mouldy feed. Don't
	1	1 8 6	make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
		O-5 WCCK	days of birth and R_2B vaccine for adult
	measures		birds
	-	SERCHH	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
	5		coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY			
FISHERT		LUNGLE	
	Pond	3 rd -4 th weeks	+ Application of fertilizers/manure helps
	preparation	00	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.
		M AL	One third of the total dose should be
		$\langle () \rangle$	applied initially and the rest may be
		1 20 1	applied in a spilt doses.
		1	Single super phosphate should also be
		LAWNGTLAL	applied at the rate of 250 kg/ha in the
		SAIHA	pond.
			After one week of application
			development of planktons could be
	1	N N	Finite Contraction and a contract of the contr
		N N N	7 P a g e
			. 1



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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: - 709/20	017/ Bulletin/Mizo
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Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

	1 1	1 C	1		
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	10	3	3	0	58
Max Temp (°C)	26	30	31	32	31
Min Temp (°C)	22	22	22	23	21
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	100	100	99
Min RH (%)	81	49	74	86	71
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	N-E	W	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	n-westerly- N-V	7.
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	- 105.48mm (359.89mm)	of deviation fr Saiha- 307.40 n (507.7r Mamit-204.87n (442.80r	nm Kolasi nm) nm Serchh	parenthesis) b- 236.00mm (428.1mm) ip-411.72mm (259.62mm)
Weather summary		14 th June- 1			a sik leh sa
three day	s	(dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):86- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-4 km/ Rainfall: 37.3 mm	:16-17°C 8-99% 6-94% itheasterly r cloudy tura beisei a ni. Khua a lum lai berin 26-32°C a n vawh lai ber in 21-23°C ni tura beisei a ni. Ri berin 99-100% leh a hniam lai berin 49-86% ni niin. Thli hi darkar khatah 2 km vela chakin chha				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 11 May 2017 10 All 2017	conditions	wet mildly o	lry/mildly wet
			12		1 P a g e

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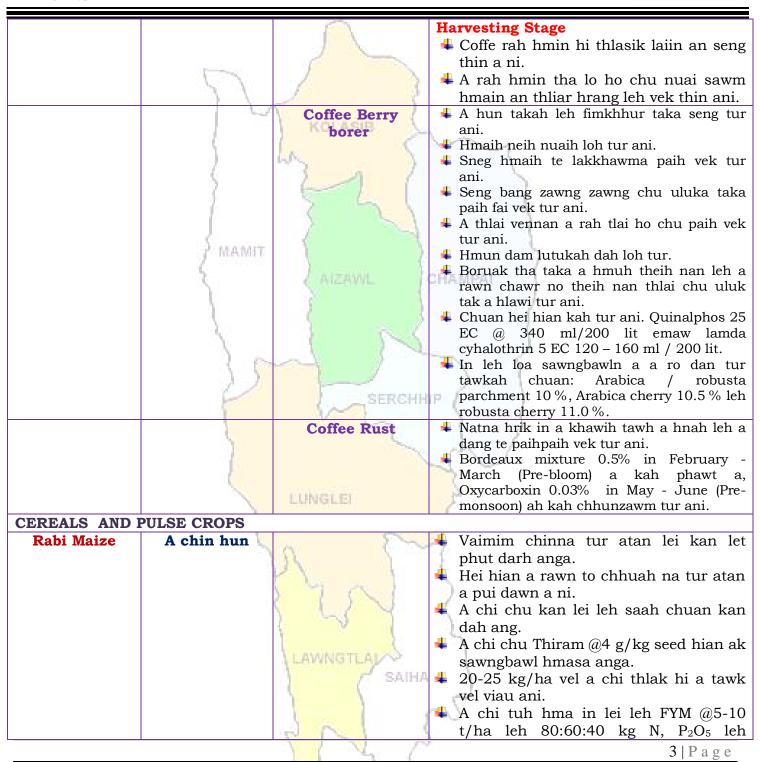
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 HOLHOND	velah dahkhawm tur ani.		
LIME		La. N	4 Thlai naupang deuah chuan chawlh		
	(3 0 /	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		
		>	te thlawhfai thin tur ani.		
STAR FRUIT	Summart		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		2	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			
	6	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu		
		V	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	L'ADOREEL.	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.		
		1 Li Y	🖊 Chuan a chi chu lei tlem te a chhilh a		
		A Y II	buhpawla khuh tur ani.		
		LI MARINE ALLAN	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		
		Constant 1	bag ah an sawn chhuak leh thin ani.		
		Y Y Y	2 P a g e		



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K ₂ O/ha pawlh chu h ni. Nitrogen dose cha	
bang 25% chu thla ang a adang leh 25% hman tur a ni.	a 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 tillage4A than a that thein tui pek thin tur ani.Image: A than a that thein tui pek thin tur ani.Image: A than a that thein tui pek thin tur ani.Image: A than a that thein tui pek thin tur ani.Image: A than a that thein tui pek thin tur ani.Image: A than a that thein tui pek thin tur ani.	kung te a veng ve oro lutuk tur ven
Potato Sowing stage Image: Muangchang loving chu buatsaih vat tur Image: Hei hian a than hun lakah a veng dawn a Image: Hei hian a than hun lakah a veng dawn a Image: Lei leh hmain a hr taka thlawh hmasak Image: A chi thlak hma in hmasak tur ani. Image: Lei leh hmain a hr taka thlawh hmasak Image: A chi thlak hma in hmasak tur ani. Image: Lei leh hmain a hr taka thlawh hmasak Image: A chi thlak hma in hmasak tur ani. Image: Lei leh hmain a hr taka thlawh hmasak tur ani. Image: A than a that theih tui pek thin tur ani. Image: Lei leh hmain a hr taka thlawh hmasak tur ani. Image: A than a that theih tui pek thin tur ani.	r ani. 1 laiin natna hrikin ni. mun hma chu fai tur ani. a chi chu en fiah
Tomato Bacterial Blight disease Tomato bikah chua natna an kaina tlang Hmun hnawng leh hmunah chuan natn ani. Tomato bikah chua Tomato bikah chua Munah chuan natn ani. Tomato bikah chua Tomato bikah chua Tomato bikah chua Blight disease Image: State of the state of th	g lawn ber ani . ni hmu lo lutuk na an kai hma bik a thih mai loh nan il emaw Mancozeb
Early Cole cropBlack spot diseaseA than a that theih tui pek thin tur ani.LAWINGTLAI SAIHAA than a that theih tui pek thin tur ani.LAWINGTLAI SAIHAA than a that theih tui pek thin tur ani.LAWINGTLAI Zawhah dah tur ani.LAWINGTLAI Zawhah dah tur ani.	vn nana thlai bula hawm hi tui pek
sa vangin a hnah a	ah thil dum rawn



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	5	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.		
Onion and capsicum	Nursery stage	Poly house	 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. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. 		
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. 		
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. 		
Carrot and radish	Sowing stage	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. 		
			5 P a g e		



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ANIMAL HUSBI	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.
	{ MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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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asea on Instrict wise weather Porecast rec Guwahati)



	5	~		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,
		r (an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	+	Ranikhet Disease- an pian atanga ni
	measures	Lo. X	10000	1-6 ah F1 vaccine pek tur ani a, chuan
	6	3 1 1		a puitlingh chuan R ₂ B vaccine pek tur
	2			ani.
		Ath me athe		B complex with antibodies
		4 th weeks	-	Coccidiosis - Amprolium or
	AMIT	A Fith XX 1		coccidiostat
	i and an and a second	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	5			UMPAI
	Pond	3 rd -4 th weeks	+	Dil a leitha hman hian sangha chaw
	preparation			kan tih mai planktons insiam nan a
	(Dil buatsaih)	1 383		tanpui thin.
	K			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
		A WART AL	1	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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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: Aizawl

Period: 14 June - 18 June, 2017

Bulletin No: - 709/2	017/ Bulletin	/English	Date of is	sue: 13 th June	, 2017
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	15	6	9	3	31
Max Temp (°C)	25	29	30	31	30
Min Temp (°C)	12	13	13	14	12
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Partially clear
Max RH (%)	98	100	99	97	99
Min RH (%)	70	52	64	67	77
Wind Speed (KmpH)	2	2	4	2	2
*Wind Direction	E	S-W	S-E	E	S-E
	• • •	Casterly- <mark>N-E</mark> , Eas Testerly- <mark>S-W</mark> , We	• • • •	•	
STATUS OF MONSO	•	•	•	~	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	1 <mark>m Serch</mark> hip	-411.72mm
(453.1mm)		465.14mm)	(442.80n		(259.62mm)
Weather summary of three day		Weather forec			17 To 18 th
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):85- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-3 km/ Rainfall: 57.8 mm	25-28°C 7 6-18°C 0 99% t 91% a heasterly t cloudy V 'hr s	June, 2017. There are chances of heavy to moderate and light rainfa during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-310 and 12-14°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 52-77%. Wind direction would be easterly to southwesterly southeasterly to easterly and southeasterly with the wirk speed of 2-4 km per hour. Mainly cloudy will prevail during the next five days.			

	Weekly cumulative rainfall: 64.0 mm			
NDVI for Mizoram	North East Region 11 May 2017 14 May 2017 15 May 2017 14 May 2017			
	NIN /	1 P a g e		

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

a on District wise weather Forecast rec Guwahati)



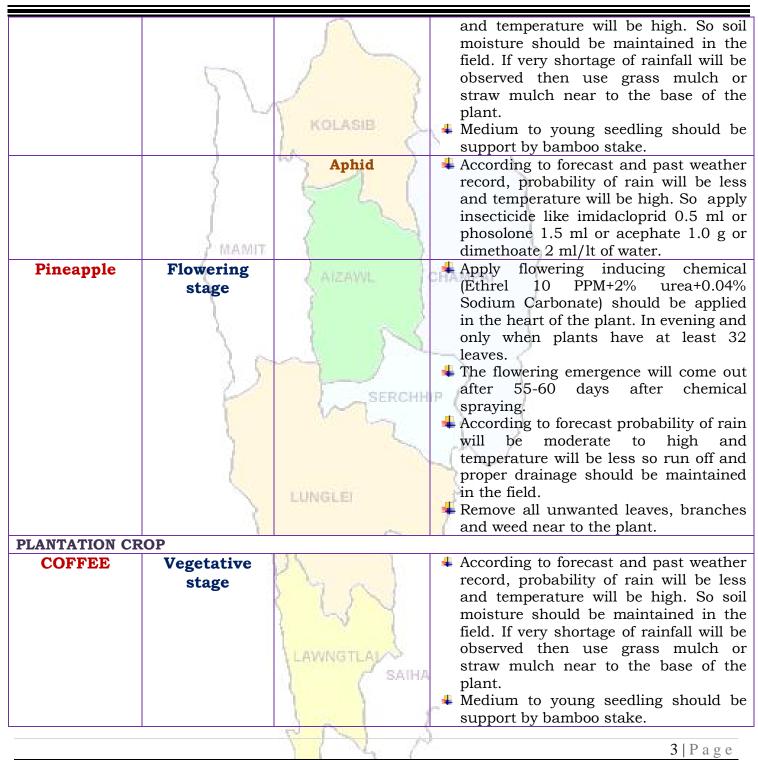
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	Slage	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	inusballury auvisories
FRUITS CROPS		Diseases	
KHASI	Coodling	24	4 According to forecast and past weather
	Seedling	Vi monarcana de	record, probability of rain will be less
MANDARIN	transplanting	KOLASIB	and temperature will be high. So soil
AND ACID	stage	S.	moisture should be maintained in the
LIME	1	W2 2 1	field. If very shortage of rainfall will be
BANANA	>		observed then use grass mulch or
	1	5 5 6	straw mulch near to the base of the
		5 51	plant.
STAR FRUIT	C		Medium to young seedling should be
	J MAMIT	1 2	support by bamboo stake.
	5	A AIZAWIL	4 In the citrus belt, trees can be planted
PLUM AND	7		at any time; however, spring is the best
PEACH		1	time for container grown plants.
	2	1 8 1	4 Standard-size trees should be spaced
		1 12	12 to 25 feet apart and dwarf trees
		~ 1	should be set 6 to 10 feet apart. The
	12		exact distance depends on the variety.
	P	SERCHH	
		Nº 1	the distance.
	5		Use split dose of fertilizer for normal
		Gummosis, citrus	growth and development. According to forecast and past weather
	1	Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	2	Dieback, Lamon	following pest problem will be high
	1	butterfly and leaf	Lamon butterfly - Spray monocrotophos
	1	minor (@0.04% @1.2 ml/lt of water.
			Leaf minor- Spray confidor 0.05% (0.5
		M AL	ml/lit of water) at each flush
			emergence.
		1 1	Citrus Canker- Apply bacterimycin
Dessier Desit	Vogotationa		@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAN	Trail semi hard wood stem to bower structure
	stage	SAIHA	Clean near the base of the plant.
		1	According to forecast and past weather
		Constant of the	record, probability of rain will be less
		N PS	
		Y Y Y	2 P a g e



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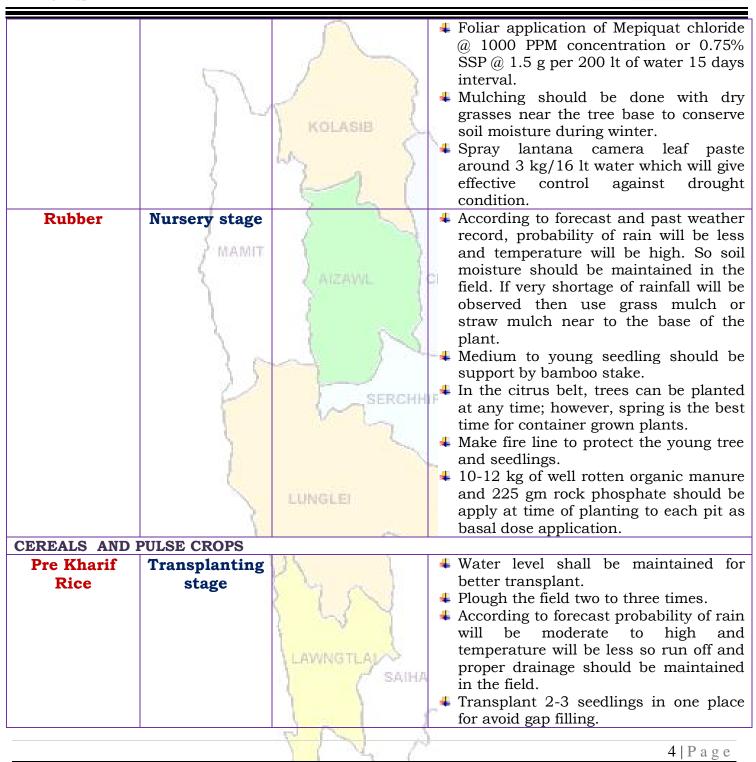




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Jhum Rice	Germination stage	KOLASIB	 Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained 	
	1	221	in the field. Don't use split dose of fertilizer for top dressing.	
Maize (<i>Jhum</i>)	Vegetative stage	AIZAWL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. 	
VEGETABLE CR	OP	• • • • • • • • • • • • • • • • • • •		
Cowpea	Vegetative stage	LUNGLEI	 proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant. 	
Okra	Vegetative stage	LAWNGTLAL	 According to forecast probability of raim will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant. 	
		<mark>Okra lea</mark> froller	Apply insecticide like imidacloprid 0.5 ml or	
phosolone 1.5 ml or acephate 1.0 g or				
		N N T	5 P a g e	



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basea on District wise weather Porecast receit Guwahati)



		-	dimetheete 0 m1/1t of
Ginger and	Sowing stage		dimethoate 2 ml/lt of water. 4 Rhizome should be treated with Thiram
turmeric	Sowing stage	2	@4 g/kg seed.
curmenc		1	Use optimum seed rate (50-60 kg/ha)
	1 1	1 8	for desire plant population.
	1 13	V	4 Apply well decomposed FYM/ pig
		KOLASIB	manure @ 10-20 t/ha along with
	1	1.	120:80:60 kg N, P_2O_5 and K_2O/ha
	1	W3 ()	incorporate with soil before sowing.
	>		Half nitrogen dose will use at the time
	1	5 5 8	of sowing and remaining 25% after one
	1	5	month and 25% at flowering stage.
Colocasia	Sowing stage		Planting is done well prepared land or
	/ MAMIT		pits filled up with FYM (12-15) t/ha
	1	L ATZAWIL I	4 Sprouted corms or cormels are planted
			5-7 deep at a spacing of 40-50 cm between and within rows in the pits.
)	1	 Inorganic fertilizer like Urea, SSP and
	4	1 26	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY	1 204	1101 @ 220. 070. 10 Hig.
Pig	All stages	1	As the weather gets colder, your pigs'
8		ecoculu	energy requirement will increase as
	5	SERCHH	they need more energy to keep warm.
	N		Regularly monitor their level of 'fitness'
	7		and increase their feed intake to
			maintain.
		100000-0000	Fish oils are excellent for providing
		LUNGLEI	slow-release energy with the added advantage of a high level of omega-3.
	1	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1. Culling of positive pigs of pigiets.
		Respiratory	
		Syndrome	
		(PRRS).	1
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
		LAWNGTLAL	interval
		/ SAIHA	
			5
		1 122	\sim
		N N N	
		14/	6 P a g e



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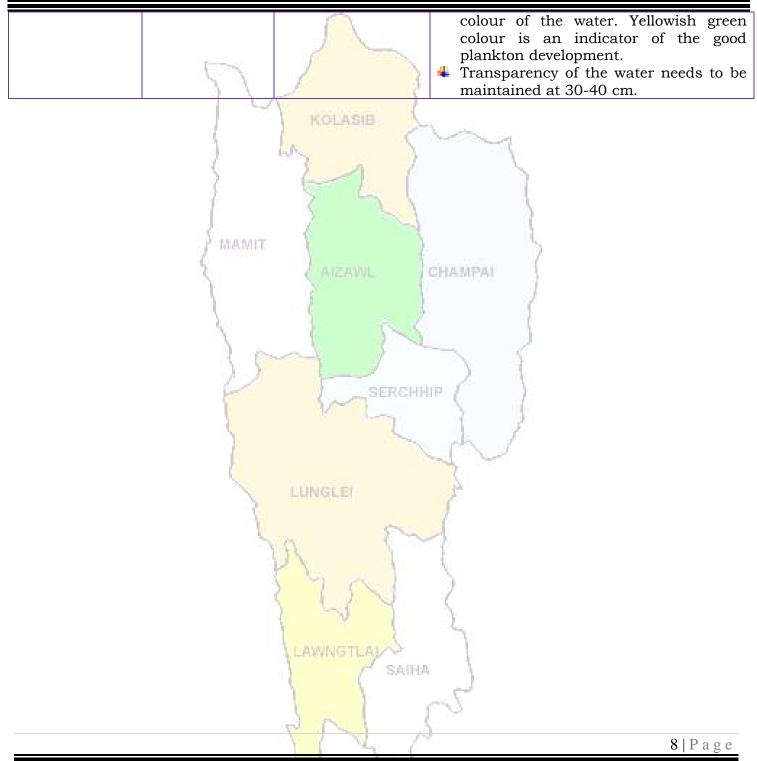


Poultry Litter MAMIT KOLASIE Poultry Litter management Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. MAMIT Good management and sanitation are the best ways to avoid infectious disease in poultry. Preventive measures 0-3 rd week 4 to weeks Coccidiosis- Amprolium or coccidiosis Amprolium or coccidiostat 4 to weeks Calcium tonic fortified with B12 ISHERY Pond preparation Bird_the weeks Application of fortilizers/manure helps in development of planktons could be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied in the pond. SAMIT SAMIT				
Poultry Litter management Poultry Litter management MAMIT Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. Good management and sanitation are the best ways to avoid infectious disease in poultry. Preventive measures 0-3 rd week Preventive measures 0-3 rd week 4th weeks Coccidiosis- Coccidiosis- Amprolium or coccidiostat 4-5th Weeks Coccidiosis- Amprolium or coccidiostat 1 3rd-4th weeks Application of fertilizers/manure helps in development of plankton which serve as palit doses. Prod preparation 3rd-4th weeks Application of fertilizers/manure helps in development of plankton scould be applied in tatigit dose based applied in the pond. SAMM After one week of application rdevelopment of planktons could be applied in the pond depending on the observed in the pond depending on the	Cattle	All age group		4 During either hot or heavy rainy
Poultry Litter management Poultry Litter management IMAMIT Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. Cood management Good management and sanitation are the best ways to avoid infectious disease in poultry. Preventive measures 0-3 rd week Preventive measures 0-3 rd week 4 th weeks Coccidiosis thanket Disease- F1 vaccine at (1-6) days of birth and R2B vaccine for adult birds. B complex with antibodies 4 th weeks 4 -5th Weeks Coccidiosist the cocidiostat 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. Application of plankton which serve as natural feed for the total dose should be applied in a split doses. Single super phosphate should also be applied in the pond. And preparation				condition, animal are advised to keep
Poultry Litter management For the monsoon to protect from disease like Anthrax, Black Quarter, For Mouth Disease, Duck Plague. Poultry Litter management Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. Good management Good management and sanitation are the best ways to avoid infectious disease in poultry. Preventive measures 0-3 rd week Preventive measures 0-3 rd week 4th weeks Avoid feeding of mouldy feed. Don't make sudden changes in feed 4th weeks Coccidiosis- Amprolium or coccidiosistat 4th weeks Coccidiosis- Amprolium or coccidiosistat 4-5th Weeks Calcium tonic fortified with B12 ISHERY 3rd-4th weeks Pond preparation 3rd-4th weeks Agplication of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes. 8 Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. 6 Raw cowdung should be applied in a spilt doses. 9 Single super phosphate should also be applied in a spilt doses. 9 Single super phosphate should also be applied in the pond depending on the				under shade.
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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: Aizawl

Bulletin	No: - 70	9/2017	/ Bulletin	/Mizo
		1	STAN .	12

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

		P.	1 C		
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	15	6	9	3	31
Max Temp (°C)	25	29	30	31	30
Min Temp (°C)	12	13	13	14	12
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Partially clear
Max RH (%)	98	100	99	97	99
Min RH (%)	70	52	64	67	77
Wind Speed (KmpH)	2	2	4	2	2
*Wind Direction	E	S-W	S-E	E	S-E
Souther	rly- <mark>S</mark> , South-W	Easterly- N-E, Eas /esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm) Weather summary of three day Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):98- Minimum RH (%):85- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2-3 km/ Rainfall: 57.8 mm	Champhai Lunglei- of the past s 25-28°C 6-18°C 99% 91% heasterly cloudy	- 105.48mm (359.89mm) 326.00mm (1465.14mm) 14 th June- 1 Tun ni 5 chhum tura beisei a ni. 1 vawh lai ber in berin 97-100% 1 niin. Thli hi darl awi zawngin a tle hian khawthiang	Saiha- 307.40 n (507.7r Mamit-204.87n (442.80n 8 th June, 20 dinhmun tur g lo awm tur Khua a lum lai 12-14 ⁰ C ni tu eh a hniam la kar khatah 2-4 ch rin a ni. A tl g tak hmuh beis	am Kolasib- nm) Serchhip nm) 17 chhunga r tlangpui ah hian ruahtu berin 25-31°C ura beisei a ni i berin 52-77% 4 km vela chak angpuiin tun n	236.00mm (428.1mm) 0-411.72mm (259.62mm) sik leh sa ai tla miahlo a ni ang a. A . RH san lai o ni tur a rin in chhaklam i nga chhung
NDVI for Mizoram		North East Region 11 May 2017	Conditions	wet mildly dr	y/mildly wet
			~		1 Page

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



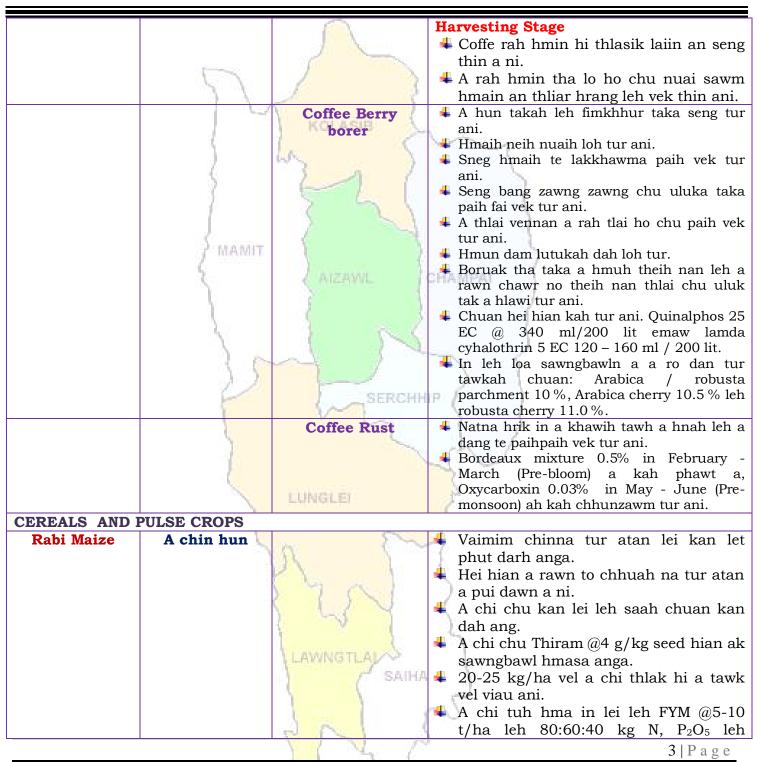
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS			·		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 HOLNOID	velah dahkhawm tur ani.		
LIME		LA. N	4 Thlai naupang deuah chuan chawlh		
	(3 1	kar tin a tui pek thin tur ani.		
BANANA	1		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	5 MAMIT		4 A seng hma kar 6 chhung chu tui tha		
	1 merina v	1	taka pek hian a rah tla tur chelh nan		
PLUM AND	2	A 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		
	1.0	greening and Dieback	a trangah te hnawih tur ani.		
	12	and and a second s	Huan zau takah chuan a par tan tirh leh a		
	1	Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu		
		V L	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					
COFFEE	All stages	and the second second	Nursery stage		
			+ Thlai chi thlak hma in Azospirillum leh		
	5	\sim	Phosphobacterium a enkawl tur ani.		
		1	A chi hi December – January ah hmun		
			zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		2 1 5 1	tlar mumal tak siam in chin tur ani.		
		1 55 7	Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		LAWNGTLAL	Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur		
		/ SAIHA			
			$\stackrel{\text{ani.}}{\clubsuit}$ Ni 45 hnu velah a tiak thin a,chu chu		
			bag ah an sawn chhuak leh thin ani.		
			juag all all sawii cilliuak itii uilli alli.		
		4	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	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.
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
		ENT Y	4 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM



Onion and capsicumNursery stagePoly houseImage: Constant of the second sec			
capsicumui pek thin tur ani.capsicumImage of the second	5		Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage:		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
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah 	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.	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
		PA 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.
		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	U-O WCCA	1-6 ah F1 vaccine pek tur ani a, chuan
		The l	 a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium or
	S ta a sair		coccidiostat
	[MAMIT	4-5 th Weeks	\blacksquare Calcium tonic fortified with B ₁₂
FISHERY	<u> </u>		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.
		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 C	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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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: -	709	/2017/	Bulletin	/English	
Dunetin	10	109	/ 401 / /	Dunetin	Luguen	

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

	1 1	6	1		
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	10	5	5	3	45
Max Temp (°C)	26	29	30	32	30
Min Temp (°C)	22	22	22	23	22
Cloud Coverage	Mainly cloudy	Mainly clear	Partially clear	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	99	97	99
Min RH (%)	74	54	69	74	76
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	S-W	S-E	S-E	S
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	OON- April 1-3	0, 2017 (Percent	of deviation fr	om normal in p	arenthesis)
Aizawl- 384.87mm	-		<mark>Saiha</mark> - 307.40 n		236.00mm
(430.2mm)		(359.89mm)	(507.7n		(428.1mm)
Lawngtlai-291.20mm			Mamit-204.87n	-	-411.72mm
(453.1mm)		465.14mm)	(442.80n		(259.62mm)
Weather summary of		Weather forec		14 th June, 20	17 To 18 th
three day			June, 2		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):999 Minimum RH (%):81-4 Wind Direction: South Cloud cover: Mainly of Wind Speed: 3-5 km/ Rainfall: 45.1 mm	4-16°C % 94% heasterly cloudy hr	There are chanc during the next temperatures for and 22-23°C. M the range of 97 Wind direction southeasterly an per hour. Mainly five days.	5 days. The the next 5 d aximum relati 7-99% and mi would be ea d southerly w	e maximum ar ays may range ve humidity is nimum may fr sterly to sout ith the wind sp	nd minimum for 26-32°C expected in rom 54-76%. hwesterly to beed of 2 km
				r <mark>ainfall:</mark> 68.0 1	
NDVI for Mizoram		North East Region 11 May 2017 10 402 403 10 402 400 10 402 400 10 402 400 10 402 400 10 402 400 10 400	conditions Arrows J Mone J Good J Way G	wet mildly dr	
		N N	174		1 Page



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

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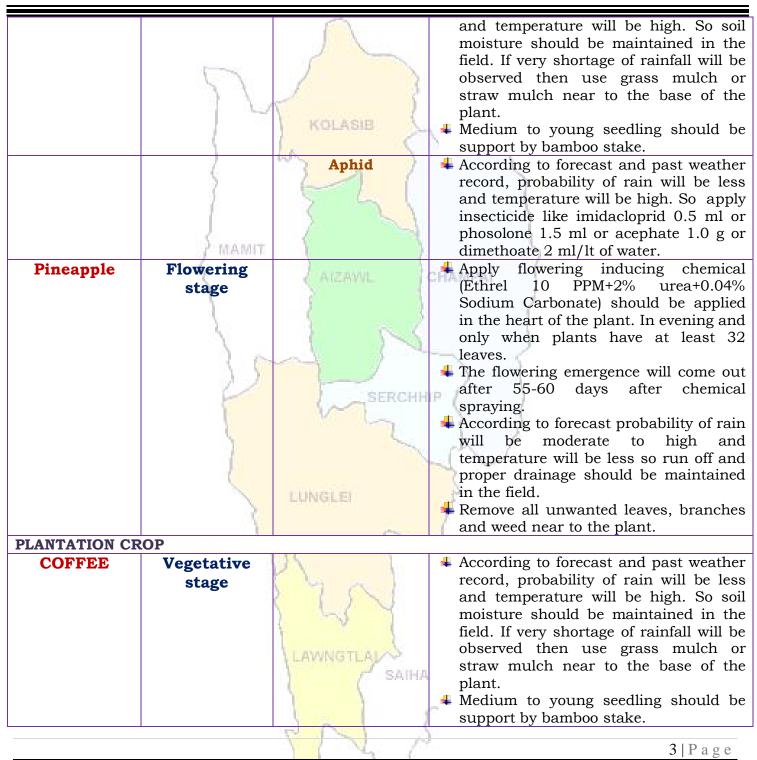
Main Oran /	Store	C-141	A gain out for an 1 / The attended out to a strend the
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	an rich M	18	
KHASI	Seedling	()	According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1.	and temperature will be high. So soil
LIME	1	ws)	moisture should be maintained in the field. If very shortage of rainfall will be
BANANA	- S	2 1	observed then use grass mulch or
DANANA			straw mulch near to the base of the
			plant.
STAR FRUIT	1		4 Medium to young seedling should be
SIANFRUIT	7 MAMIT		support by bamboo stake.
	5	Lastering A	In the citrus belt, trees can be planted
PLUM AND		(AIZAWIL	at any time; however, spring is the best
PEACH	1	5	time for container grown plants.
	1	and the second of the	Standard-size trees should be spaced
	1	1 545	12 to 25 feet apart and dwarf trees
	2 6	~ 1 ~	should be set 6 to 10 feet apart. The
	3.5		exact distance depends on the variety.
		SERCHH	F The bigger the fruit, the farther
	1	w l	the distance.
			4 Use split dose of fertilizer for normal
			growth and development.
	1	Gummosis, citrus	According to forecast and past weather
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Canker, Citrus	record, probability of rain will be less
	2	greening,	and temperature will be high. So
	1	Dieback, Lamon	following pest problem will be high
	L.	butterfly and leaf minor	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
			Leaf minor- Spray confidor 0.05% (0.5
		Chi and	ml/lit of water) at each flush
		1115	emergence.
		1 45 4	4 Citrus Canker- Apply bacterimycin
		Y X 11	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	4 Trail semi hard wood stem to bower
	stage	A SAIHA	structure
			Clean near the base of the plant.
			According to forecast and past weather
			record, probability of rain will be less
		TIN A	2 P = g =
			2 P a g e



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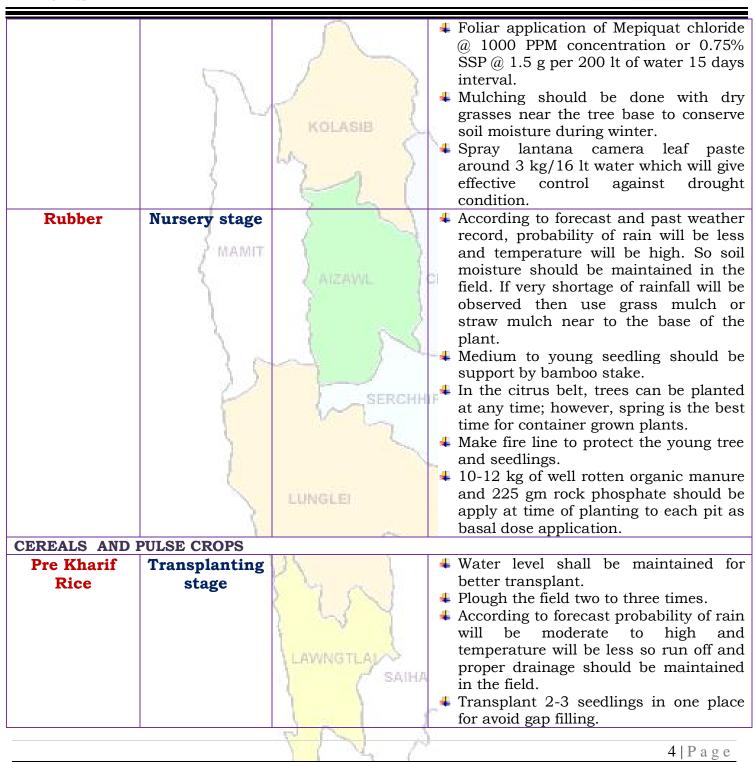




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Jhum Rice	Germination stage	KOLASIB	 Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained
	}	220	in the field. Don't use split dose of fertilizer for top dressing.
Maize (Jhum)	Vegetative stage MAMIT	AIZAWL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
VEGETABLE CR	OP		
Cowpea	Vegetative stage		 proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
Okra	Vegetative stage		 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
		<mark>Okra lea</mark> froller	Apply insecticide like imidacloprid 0.5 ml or
		PN J	phosolone 1.5 ml or acephate 1.0 g or
		3 (5 P a g e



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asea on District wise weather Forecust recei Guwahati)



		~	dimethoate 2 ml/lt of water
Ginger and turmeric	Sowing stage	KOLASIB	 dimethoate 2 ml/lt of water. Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha
Colocasia	Sowing stage	FL(incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Planting is done well prepared land or
	A MAMIT	AIZAVUL	 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 HUSBEN			
Pig	All stages	LUNGLEI	 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.
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
		SAIHA	6 Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

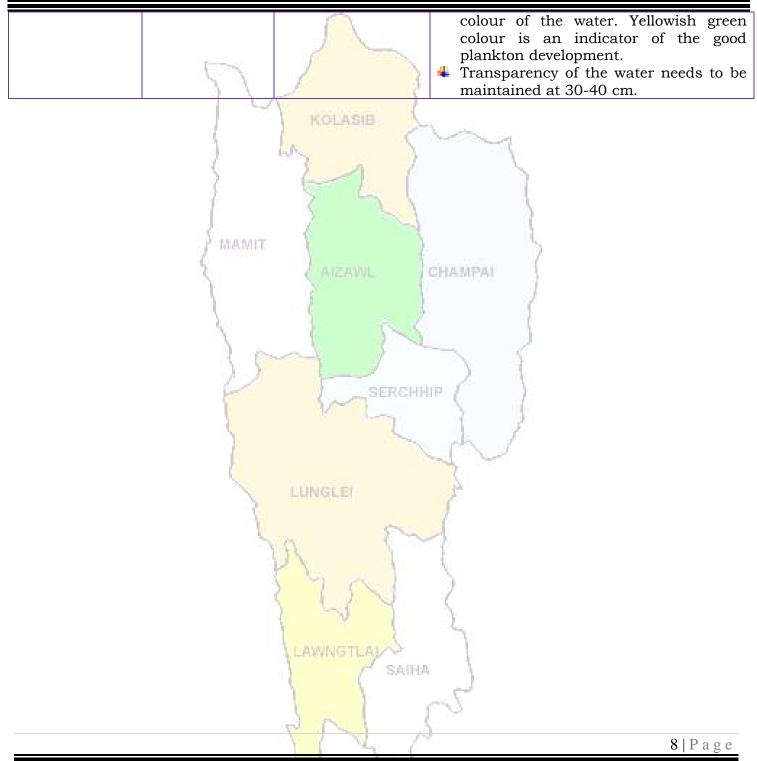


Cattle	All age group		4 During either hot or heavy rainy
			condition, animal are advised to keep
			under shade.
		1	4 Vaccination is mandatory for the cattle
	1. 6	1 8	prior to monsoon to protect from
	14	N	disease like Anthrax, Black Quarter,
		KOLASIB	Foot Mouth Disease, Duck Plague.
Poultry	Litter	0	4 Birds require adequate space, sufficient
	management	WS)	feed to meet their nutritional
		2 1	requirements and an adequate supply
			of good-quality water.
	18		4 Good management and sanitation are
			the best ways to avoid infectious
	? MAMIT	1	disease in poultry.
	ALCONTRACTOR .		Provide ample quantity of clean
	80	A AIZAWL	drinking water.
		1	Avoid feeding of mouldy feed. Don't
		5	make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
		O O WOOM	days of birth and R_2B vaccine for adult
	measures		birds.
	12		B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
		WEEKS	coccidiostat
	-	4-5 th Weeks	
		4-5" Weeks	\blacksquare Calcium tonic fortified with B ₁₂
FISHERY			
	Pond	3rd-4th weeks	4 Application of fertilizers/manure helps
	preparation	Section of Sector	in development of plankton which serve
	1 · · · · · · · · · · · · · · · · · · ·		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
		1 Li Y	🔨 applied in a spilt doses.
			Single super phosphate should also be
		1 commences of	applied at the rate of 250 kg/ha in the
		LAWNGTLAK	pond.
		/ SAIHA	4 After one week of application
		1	development of planktons could be
		1000	observed in the pond depending on the
		P N	
		Y Y Y	7 P a g e



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

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9 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai

Bulletin	No: -	709	/2017/	Bulletin	/Mizo
			/ /		

54

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

Parameters 14.06.2017 15.06.2017 16.06.2017 17.06.2017 18.06.2017 Rainfall (mm) 10 5 5 3 45 Max Temp (°C) 26 29 30 32 30 Min Temp (°C) 22 22 23 22 Cloud Coverage Mainly cloudy Mainly clear Partially clear Mainly cloudy Mainly cloudy Max RH (%) 98 99 99 97 99 Min RH (%) 74 54 69 74 76 Wind Speed (KmpH) 2 2 2 2 2 *Wind Direction E S-W S-E S-E S Southerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Kolasib- 236.00mm (430.2mm) (359.89mm) (507.7mm) (428.1mm) Lawngtiai-291.20mm Lunglei-
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Minimum RH (%):81-94% Wind Direction: Southeasterly
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy Wind Speed: 2.5 km (br
Wind Speed: 3-5 km/hr Zawingin a tien fin a ni. A tiangpuint tun in nga chitung hian khawthiang tak hmuh beisei a ni.
<u> </u>
Rainfall: 45.1 mm Weekly cumulative rainfall: 68.0mm
weekiy cumulative rathjati. 66.0mm
NDVI for Mizoram North East Region 11 May 2017 Moderately wet mildly dry/mildly wet
conditions
84-83] Good 3-84] Good
Agriculture bigurs is good over most of the parts Northern Assam Tripurs and Meghalaya whereas moderate vigurs is noticed in rest
of the region.
1 P a g e



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



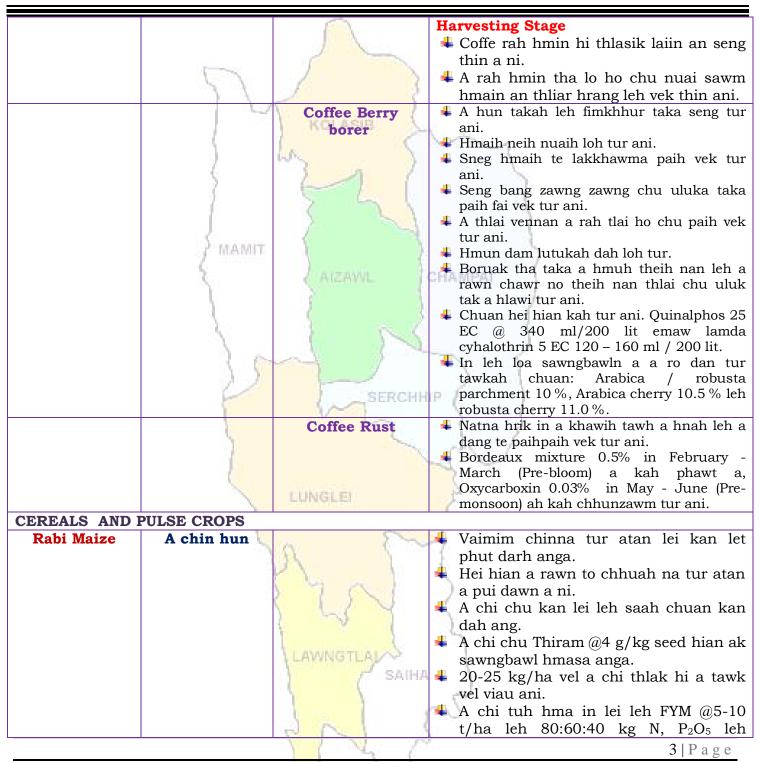
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	· · · · · · · · · · · · · · · · · · ·
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 NOLNOID	velah dahkhawm tur ani.
LIME		La N	4 Thlai naupang deuah chuan chawlh
	(3 1 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 menual	1	taka pek hian a rah tla tur chelh nan
PLUM AND	2	A AIZAWIL I	leh a rah than that nan te leh a rah
PEACH		2	keh tur lakah t a veng thei ani.
РЕАСП		Orange and a site of	Townsetture being lutule lab because uses
	1	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and Dieback	a trangah te hnawih tur ani.
	1 /	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
	1	CALL REPORT	rah tan tirin chawlhkar hnih chhung chu
		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
	1	α \sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
		31	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
	5	$\langle \rangle \rangle$	Chuan a chi chu lei tlem te a chhilh a
		1 20 1	buhpawla khuh tur ani.
			Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		NO 1	
		NN A	2 P a g e
			211450



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	5	\sum	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		612 3	4 P a g e



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Onion and capsicumNursery stagePoly houseHai ha lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawiha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawm khawm hi tui pek zawhah dah tur ani.Thlai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha He ani.Phytopthora blightPhytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha he ani.French beanSowing stageTui pek a hnihnah hringa khuh tur ani a. than a that theih nan nui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageTui pek hnihan hnima hi cluan sik leh sa vangin a hnah ah thil dun a rawn awm thina, hei hi natna tanglawn ber ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Thi pek hnuan theih nan leh hnim to loh na turi na kung bulah lei vur chhoh zel tur ani.A than a that theih nan sikhat danah tui pek thin tur ani.Thi pek hnuan thia bul vawn hnawn na tur siam tur ani.A than a that heih nan nikhat danah tui pek thin tur ani.Thi pan hanah ah thil dun a rawn awm thina, hei hi natna tlanglawn ber ani.Thia hna lam chi leh zikhlum lam chi reng reng enkawl nan				
capsicum tui pek thin tur ani. tui pek thin tur ani. Thia ibul vawn hnawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani. Thia ibul vawn inawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani. Thia ibul vawn inawn nana thlai bula hnim ring vawn khawm hi tui pek zawhah dah tur ani. Phytopthora blight Phytopthora blight A chi ven that nan thiram 3g/kg seed enaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani. French bean Sowing stage A chi ven that nan thiram 3g/kg seed enaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. Carrot and radish Sowing stage A than duna theih nan tui pek hma in lei rin pan hmasak tur ani. Carrot and radish Sowing stage A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek nuah thlai bul vawn hnawn na tur siam tur ani. A than duna theih nan hikhai duna hui pek thin tur ani. Tui pek nuah thlai bul vawn hnawn na tur siam tur ani. Tui pek hunah thia bul vawn hnawn na tur siam tur ani. Thia ihna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	0		I I I I I I I I I I I I I I I I I I I	 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 2 g captan emaw 3 copper previchoride a tui liter 1 hi 10-15 DAS a pek hi a tha ble ani.French beanSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hunah thai bul vawn hnawn 			AIZAVIL	 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 radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radishMarkov radish radish <th></th> <th>35</th> <th></th> <th> 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 </th>		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 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
			201	



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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	han ?	 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
	J' MAMIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWL	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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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Kolasib

Bulletin No: - 709/2017/ Bulletin/English

Period: 14 June – 18 June, 2017

Date of issue:	13 th	June,	2017
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	1 N 1	P			
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	21	6	16	3	4
Max Temp (°C)	27	30	30	32	32
Min Temp (°C)	22	23	23	24	24
Cloud Coverage	Mainly cloudy	Clear sky	Mainly clear	Mainly cloudy	Partially clear
Max RH (%)	98	99	99	97	99
Min RH (%)	69	53	61	61	77
Wind Speed (KmpH)	2	2	5	2	2
*Wind Direction	E	S-W	S	E	S-E
Souther	rly- <mark>S</mark> , South-V	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO					•
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm
(430.2mm)		(359.89mm)	(507.7n		(428.1mm)
Lawngtlai-291.20mm (453.1mm)	-	• 326.00mm (465.14mm)	Mamit-204.87n (442.80n)	-	-411.72mm (259.62mm)
Weather summary		• • • • • • • • • • • • • • • • • • •		14 th June, 20	• •
		weather lored			17 10 18
three day		/TT1 1	June, 2		11 1 ' /1
Maximum Tem. (°C):2 Minimum Tem. (°C):1		There are chanc		0	0
Maximum RH (%):98-		next 5 days. The			-
Minimum RH (%):84-		the next 5 da	5 5 0		
Wind Direction: Sout	1	Maximum relativ			
Cloud cover: Mainly of	loudu	99% and minin			
Wind speed: 2 km/h	r i i	would be easterl	0	0	0 0
		and southeaster	0		÷
Rainfall: 49.1 mm		Mainly cloudy sk	y will prevail d	uring the next	five days.
		Weekl	y cumulative i	rainfall: 50.0 1	nm
NDVI for Mizoram		North East Region 11 May 2017	J	wet mildly dr	y/mildly wet
			conditions		
		02-03	} Moder		
		0.4-0.5	}		
		No 107	Lauro		
		Agriculture vigour is good over most of the parts Northern Tripura and Meghalaya whereas moderate vigour is noticed of the region.			
	1	126	1		
		V V	1.1		1 Page
			7		- 1 8 -

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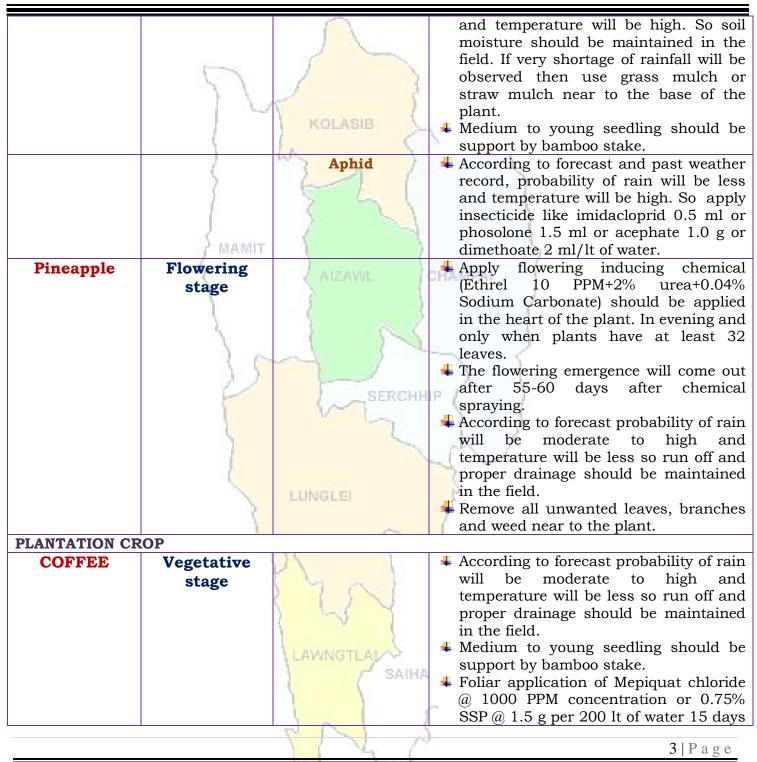
Main O /		014 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	5	4 According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage	1	and temperature will be high. So soil
LIME	J	La J	moisture should be maintained in the
	(1 1	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	1		straw mulch near to the base of the
	J.	1	plant.
STAR FRUIT	> MAMIT	1	Medium to young seedling should be
	2		support by bamboo stake.
PLUM AND	2	& AIZAWL I	In the citrus belt, trees can be planted
PEACH	10	2	at any time; however, spring is the best
PEACH		3	time for container grown plants.
	4	1 1	Standard-size trees should be spaced
		1 1 1	12 to 25 feet apart and dwarf trees
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		should be set 6 to 10 feet apart. The
	12		exact distance depends on the variety.
	1	SERCHH	F The bigger the fruit, the farther the distance.
		Nº La	
	5		Use split dose of fertilizer for normal growth and development.
		Gummosis, citrus	According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	>	Dieback, Lamon	following pest problem will be high
	Y.	butterfly and leaf	Lamon butterfly - Spray monocrotophos
		minor	a a a a a a a a a a
			Leaf minor - Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
		2 1 5 1	emergence.
		1 45 4	4 Citrus Canker- Apply bacterimycin
		1	@0.6 g/lt of water.
Passion Fruit	Vegetative	LAWNGTLAL	4 Trail semi hard wood stem to bower
	stage	A SAIHA	structure
	_		• Clean near the base of the plant.
			4 According to forecast and past weather
		1 122 1	record, probability of rain will be less
		1 1 N	
		1141	2 P a g e



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	$\sum_{i=1}^{n}$	KOLASI		 interval. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for bette establishment. Don't use split dose of fertilizer for top dressing.
Rubber	Nursery stage	AIZAVI	No	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field. Medium to young seedling should be support by bamboo stake. In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants. Make fire line to protect the young tree and seedlings. 10-12 kg of well rotten organic manura and 225 gm rock phosphate should be apply at time of planting to each pit at basal dose application.
Pre Kharif	Transplanting			4 Water level shall be maintained fo
Rice	stage		SAIHA	 better transplant. Plough the field two to three times. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Transplant 2-3 seedlings in one place for avoid gap filling. Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery o corner of the field for gap filling.
Jhum Rice	Germination	121	1	According to forecast probability of rain
		212	20	4 P a g e



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Maize (Jhum) VEGETABLE CRO	stage Vegetative stage	KOLASIB	 will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
Cowpea	Vegetative stage	AIZAWL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
Okra	Vegetative		4 According to forecast probability of rain
	stage		 will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant. Apply insecticide like imidacloprid 0.5 ml or
			phosolone 1.5 ml or acephate 1.0 g or
Ginger and turmeric	Sowing stage	LAVINGTEAU	 dimethoate 2 ml/lt of water. Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population.
		R N N	Y
		Y Y I	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Colocasia Sowing stage Image: Colocasia Sowing stage Colocasia Sowing stage Image: Colocasia Sowing stage Colocasia Sowing stage Image: Colocasia Sowing stage Colocasia Sowing stage Image: Colocasia Planting is done well prepared land or pits filled up with rows in the pits. Animal HusbernDary Planting is done well prepared land or pits filled up with rows in the pits. Image: Colocasia Pig All stages Image: Colocasia Sprouted corms or collect rows or complex explaned 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Pig All stages 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. Culling of positive pigs or piglets. Porcine (PRRS). Cattle All age group Image: Colocasia Poultry Litter management Sume fever. Poultry Litter management Sume fever. Poultry Litter management Sum feuer their nutritional Poultry Litter management				
Pig All stages Pig All stages All stages 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. Porcine Reproductive Respiratory Syndrome (PRRS). 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval Cattle All age group All age group Litter LAWNGTLAN SAIHA SAIHA SAIHA Poultry Litter Management Birds require adequate space, sufficient feed to meet their nutritional		MAMIT	KOLASIB	 manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. 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
Cattle All age group Poultry Litter Poultry Litter Management Litter Booltry Litter Birds require adequate space, sufficient feed to meet their nutritional				
Respiratory Syndrome (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 During either hot or heavy rainy condition, animal are advised to keep under shade. Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague. Poultry Litter management	Pig	All stages	Porcine	 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.
Cattle All age group months and yearly interval/6 month interval Cattle All age group During either hot or heavy rainy condition, animal are advised to keep under shade. Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague. Poultry Litter management Birds require adequate space, sufficient feed to meet their nutritional 		5	Respiratory Syndrome (PRRS).	7
Poultry Litter management Litter management Imagement		Adult stage	Swine fever.	months and yearly interval/6 month
PoultryLitter managementHirds require adequate space, sufficient feed to meet their nutritional	Cattle	All age group		 condition, animal are advised to keep under shade. Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter,
management feed to meet their nutritional	Poultry	Litter		Ŭ
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	L	. .	VINA	ane 918



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



	$\sum_{i=1}^{n}$	KOLASIB	 requirements and an adequate supply of good-quality water. Good management and sanitation are the best ways to avoid infectious disease in poultry. Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't 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 adult birds. B complex with antibodies
	{ MAMIT	4 th weeks 4-5 th Weeks	 Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B₁₂
FISHERY			
	Pond preparation	3rd-4th weeks	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.
		n	 After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. Transparency of the water needs to be maintained at 30-40 cm.
		SAIHA	0



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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: Kolasib

Bulletin No: - 709/2017/ Bulletin/Mizo	100
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Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	21	6	16	3	4
Max Temp (°C)	27	30	30	32	32
Min Temp (°C)	22	23	23	24	24
Cloud Coverage	Mainly cloudy	Clear sky	Mainly clear	Mainly cloudy	Partially clear
Max RH (%)	98	99	99	97	99
Min RH (%)	69	53	61	61	77
Wind Speed (KmpH)	2	2	5	2	2
*Wind Direction	Е	S-W	S	Е	S-E
Northe	rlv- N. North-E	Easterly- N-E, Eas	sterly- E. South	-Easterly- S-E.	•
		/esterly- <mark>S-W</mark> , We			
STATUS OF MONSO					arenthesis)
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm
(430.2mm)		(359.89mm)	(507.7n		(428.1mm)
Lawngtlai-291.20mm				· · · · · · · · · · · · · · · · · · ·	-411.72mm
(453.1mm)		465.14mm)	(442.80n	nm)	(259.62mm)
Weather summary	of the past	14 th June- 1	8 th June 20	17 chhunga	sik leh sa
three day	· · · · · · · · · · · · · · · · · · ·				SIII IOII Su
· · · · · · · · · · · · · · · · · · ·			dinhmun tu		
Maximum Tem. (°C):2		Fun ni 5 chhun	0		
Minimum Tem. (°C):1		tura beisei a ni. I			0
Maximum RH (%):98-		vawh lai ber in 2	22ºC ni tura b	eisei a ni. RH	san lai berin
Minimum RH (%):84-		97-99% leh a hn	iam lai berin 5	3-77% ni tur a	rin niin. Thli
Wind Direction: Sout	-	hi darkar khat	ah 2-5 km v	ela chakin ch	haklam awi
Cloud cover: Mainly of	cloudy	zawngin a tleh 1			
Wind speed: 2 km/h	r i i i i i i i i i i i i i i i i i i i	hian khawthiang		01	
	-	inan miaw tinang		501 a 111.	
Rainfall: 49.1 mm		Weahl	u oumulativo	nainfall, 50 0r	n m
		weeri	y cumulalive	rainfall: 50.0r	11111
NIDIT Com Maine		North Fact Rev ²	Madaust 1		/ :1 -11 (
NDVI for Mizoram		North East Region 11 May 2017		wet mildly dr	y/milaly wet
			conditions		
		0.2-0.3	} Moder		
		04-05	Good		
		× × × × × × × × × × × × × × × × × × ×	l vera e		
		Agriculture vigour is good over most of the parts Northern Tripura and Meghalaya whereas moderate vigour is noticed			
		of the region.	3 W		
	0		12		1 Page



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	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	3	1 NOLNOID >	velah dahkhawm tur ani.
LIME		La N	4 Thlai naupang deuah chuan chawlh
	(3 1 1	kar tin a tui pek thin tur ani.
BANANA	1		Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
		1 21	te thlawhfai thin tur ani.
STAR FRUIT	> MAMIT		4 A seng hma kar 6 chhung chu tui tha
	2 marine 1		taka pek hian a rah tla tur chelh nan
PLUM AND	2	A AIZAWL	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
PEACH		Currence oitmus	4 Temperture hniam lutuk leh hnawng vang
	4	Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna
	1 2	greening and	laka vennan Bordeaux past hi thing zar leh
	1.0	Dieback	a trangah te hnawih tur ani.
	12	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
		Con CERCHI	rah tan tirin chawlhkar hnih chhung chu
			heng te hian enkawl tur ani: carbaryl 0.2
	1	5	percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
PLANTATION CR	OD		10 g/l.
		LUNGLEI	Newscow store
COFFEE	All stages		Nursery stage
		20	Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.
	1	$\alpha \sim \gamma$	A chi hi December – January ah hmun
	1		zawl/rualrem 1.5 - 2.5 cm a in hlatin
		19 AL	tlar mumal tak siam in chin tur ani.
	5	$\langle 0 \rangle$	4 Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
		Constant of the second	bag ah an sawn chhuak leh thin ani.
		P N I	
		Y LY	2 P a g e

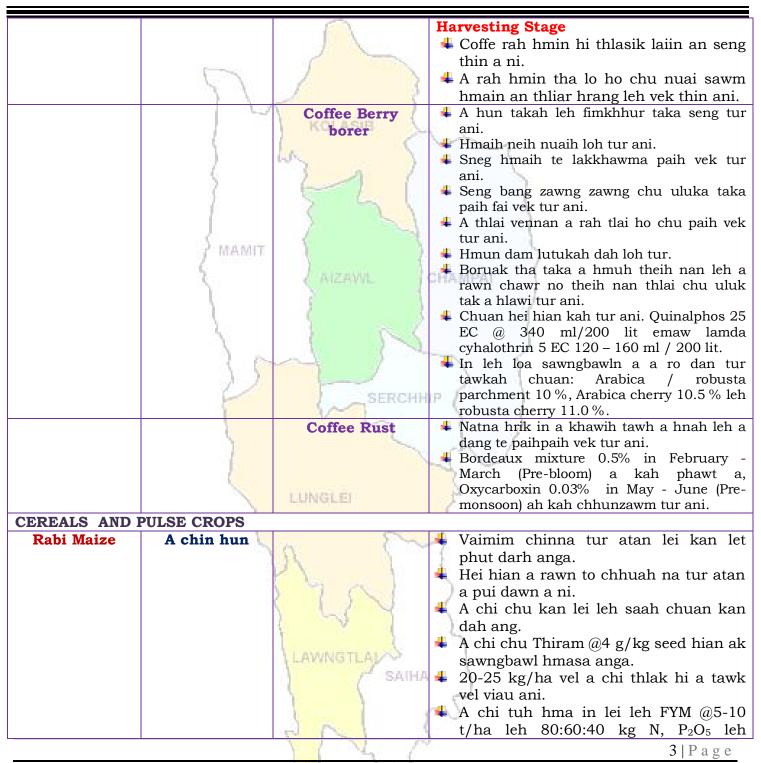


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Mizoram Centre, Kolasib- 796081, MIZORAM

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







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Souboon noc			 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
		R J P	4 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM

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



IC.AR			
	5	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.
Onion and capsicum	Nursery stage	Poly house	 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. 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
		P N S	
			5 P a g e

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).	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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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
	measures	U U U WCCA	1-6 ah F1 vaccine pek tur ani a, chuan
	mediates	The l	a puitlingh chuan R₂B vaccine pek tur ani.B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or
	A MAMIT		coccidiostat
	and a second	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	-5 7 Page_



ICAR RESEARCH COMPLEX FOR NEH REGION

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

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai

Bulletin No: - 709/2017/ Bulletin/English

Period: 14 June – 18 June, 2017

Date of issue: 13th June, 2017

	12	1	2		•
Parameters	14.06.2017	7 15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	5	10	5	7	44
Max Temp (°C)	26	28	30	31	29
Min Temp (°C)	22	22	22	22	21
Cloud Coverage	Partially clea	r Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	97	97	97	97	98
Min RH (%)	83	59	78	75	75
Wind Speed (KmpH)	2	2	4	6	4
*Wind Direction	N-E	W	E	S-E	S-E
Souther	ly- <mark>S</mark> , South-	-Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO					
Aizawl- 384.87mm	· · · · · · · · · · · · · · · · · · ·		<mark>Saiha</mark> - 307.40 n		236.00mm
(430.2mm)		(359.89mm)	(507.7n	•	(428.1mm)
Lawngtlai-291.20mm	Lungle		Mamit-204.87m		-411.72mm
(453.1mm)	0.11	(465.14mm)	(442.80n		(259.62mm)
Weather summary of		weather lored		14 th June, 20	17 To 18 th
three day					
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):96- Minimum RH (%):84-9 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-4 km/2 Rainfall: 27.1 mm	6-18ºC 98% 92% heasterly cloudy	June, 2017.There are chances of heavy to moderate and light rain during the next 5 days. The maximum and minim temperatures for the next 5 days may range for 26-3 and 21-22°C. Maximum relative humidity is expected the range of 97-98% and minimum may from 59-8 Wind direction would be northeasterly to westerly easterly and southeasterly with the wind speed of 2-6 per hour. Mainly cloudy sky will prevail during the r five days.Weekly cumulative rainfall: 71.0 mmModerately wet mildly dry/mildly conditions			
		Agriculture vigour la good over most of the parts Northem Tripura and Keylahaya whereas moderate vigour la noticed of the region.] www.d Assam In rest		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	Seedling	5	4 According to forecast and past weather
MANDARIN	transplanting	KOLASIB	record, probability of rain will be less
AND ACID	stage		and temperature will be high. So soil
LIME	J	We N	moisture should be maintained in the
	(5 1 1	field. If very shortage of rainfall will be
BANANA	(observed then use grass mulch or
	f f	2 2 1	straw mulch near to the base of the
		1	plant.
STAR FRUIT	> MAMIT	1	4 Medium to young seedling should be
	Z at the result.	And the second s	support by bamboo stake.
PLUM AND	7	(AIZAWL)	• In the citrus belt, trees can be planted
PEACH		1	at any time; however, spring is the best
I LACH	(1 5	time for container grown plants. 4 Standard-size trees should be spaced
	4	1 1	12 to 25 feet apart and dwarf trees
		A IN	should be set 6 to 10 feet apart. The
	As S		exact distance depends on the variety.
	02	SERCHH	
		(~	the distance.
		and the second	4 Use split dose of fertilizer for normal
	3		growth and development.
		Gummosis, citrus	4 According to forecast and past weather
		Canker, Citrus	record, probability of rain will be less
		greening,	and temperature will be high. So
	4	Dieback, Lamon	following pest problem will be high
	V.	butterfly and leaf	Lamon butterfly - Spray monocrotophos
		minor (@0.04% @1.2 ml/lt of water.
		P V	Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
		1 m C	emergence.
	8	1 4 4	Citrus Canker - Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Vegetative	La ananan and	Trail semi hard wood stem to bower
	stage	LAWNGTLAN	atmiating
		/ SAIHA	$\stackrel{\text{of actual}}{=}$ Clean near the base of the plant.
			4 According to forecast and past weather
		1 22 1	record, probability of rain will be less
		R N N	
		11 4 (2 P a g e

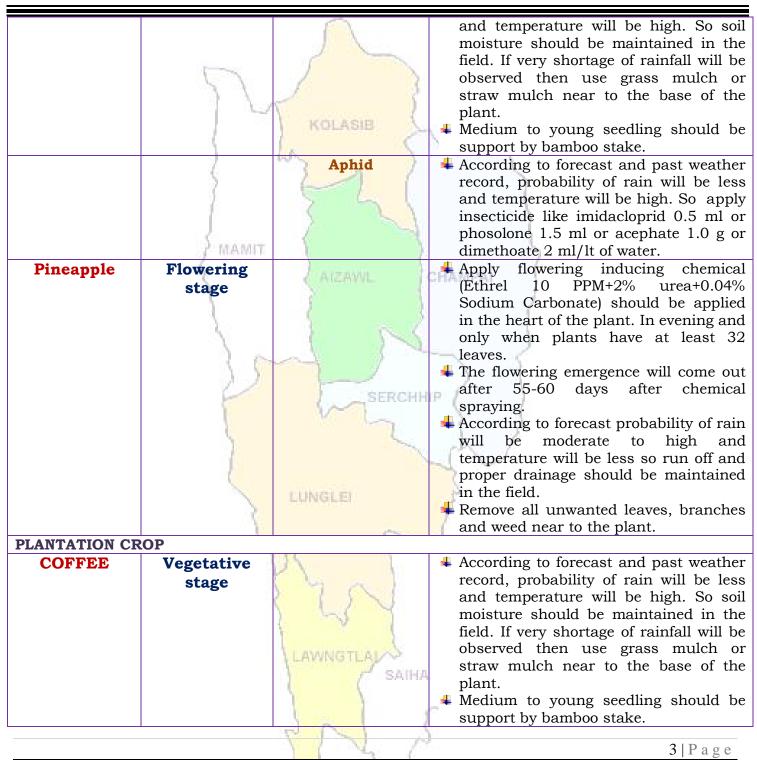


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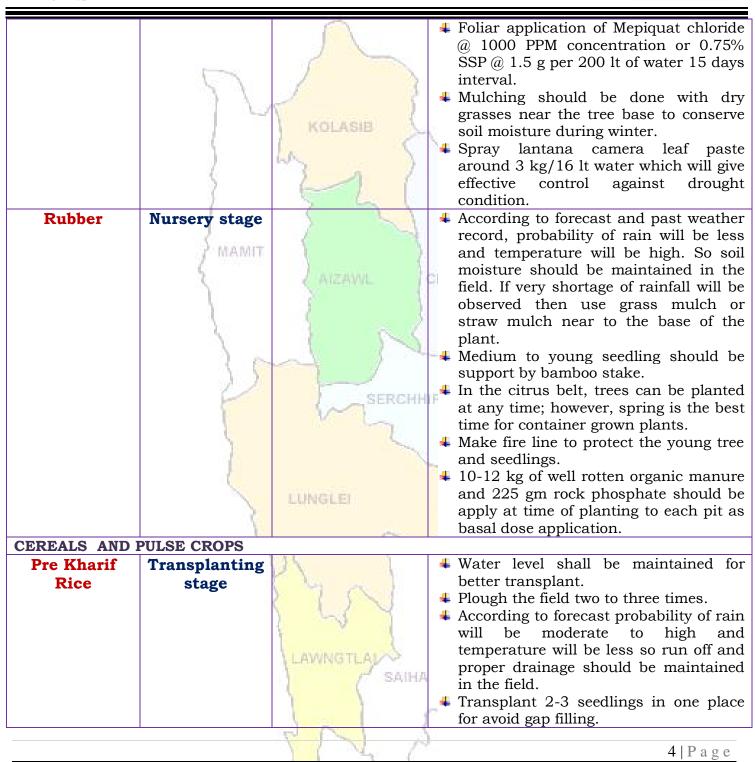


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Jhum Rice	Germination stage	KOLASIB	 Spacing should be 20 cm row to row and 15 cm plant to plant. Keep some seedlings in nursery or corner of the field for gap filling. According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.
Maina	No mod Alimo	52(Don't use split dose of fertilizer for top dressing.
Maize (<i>Jhum</i>)	Vegetative stage MAMIT	AIZAVIL	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing.
VEGETABLE CR	OP		
Cowpea	Vegetative stage	LUNGLEI	 proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
Okra	Vegetative stage	LAWNGTLAY	 According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field. Don't use split dose of fertilizer for top dressing. Trail semi hard wood stem to bower structure Clean near the base of the plant.
		Okra leafroller	Apply insecticide like imidacloprid 0.5 ml or
		P A	phosolone 1.5 ml or acephate 1.0 g or
		Y Y	5 P a g e



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		0	dimethoate 2 ml/lt of water
Ginger and turmeric	Sowing stage	KOLASIB	 dimethoate 2 ml/lt of water. Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig
	}	hand a	manure @ 10-20 t/ha along with 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 month and 25% at flowering stage.
Colocasia	Sowing stage	AIZAVVL	 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 HUSBEN	NDARY		
Pig	All stages	LUNGLEI	 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.
	Z	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
		SAIHA	5
		141	6 P a g e



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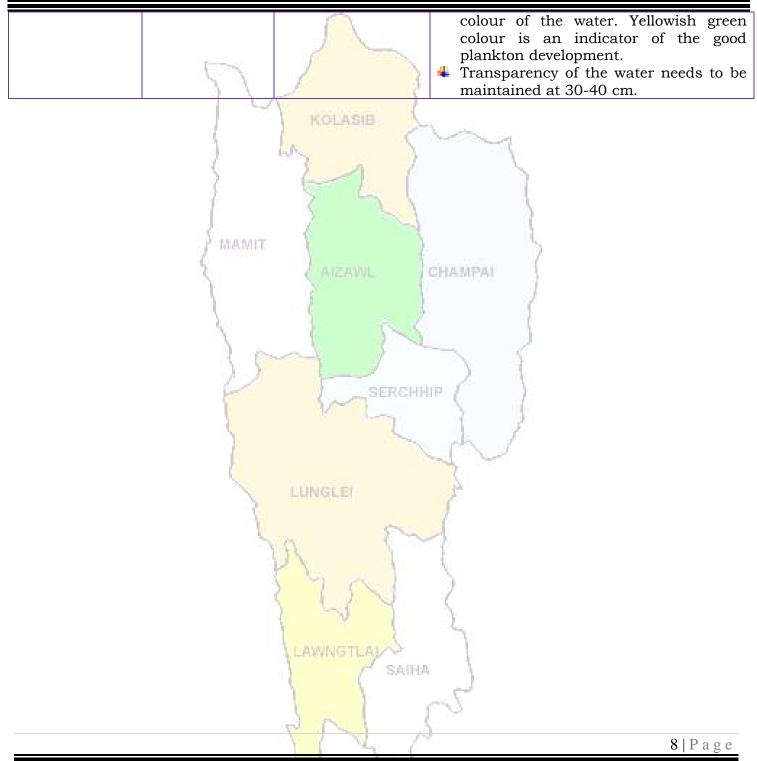


Cattle	All age group		4 During either hot or heavy rainy
			condition, animal are advised to keep
	- Emma		under shade.
		1	4 Vaccination is mandatory for the cattle
	1 6	1 8	prior to monsoon to protect from
		N	disease like Anthrax, Black Quarter,
		KOLASIB	Foot Mouth Disease, Duck Plague.
Poultry	Litter	Le S	4 Birds require adequate space, sufficient
	management	195 ()	feed to meet their nutritional
		201	requirements and an adequate supply
		5 6	of good-quality water.
			4 Good management and sanitation are
			the best ways to avoid infectious
	P MAMIT	Y)	disease in poultry.
	C Statistics		Provide ample quantity of clean
	1	(AIZAWL)	drinking water.
		e l	4 Avoid feeding of mouldy feed. Don't
	(5	make sudden changes in feed
	Preventive	0-3 rd week	4 Ranikhet Disease- F1 vaccine at (1-6)
	measures		days of birth and R_2B vaccine for adult
	meusures		birds.
	12	- ACTORNAL	🖊 B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium or
			coccidiostat
		4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY			
FISHERI			
	Pond	3rd-4th weeks	4 Application of fertilizers/manure helps
	preparation		in development of plankton which serve
	2.5		as natural feed for the fishes.
		α (~	Raw cowdung should be applied in the
			pond at the rate of 10 tonnes/ha/year.
	5		One third of the total dose should be
			applied initially and the rest may be
			applied in a spilt doses.
		¥ 3	Single super phosphate should also be
		LAWNGTLAL	applied at the rate of 250 kg/ha in the
		P Sallia	pond.
			After one week of application
			development of planktons could be
			observed in the pond depending on the
		R C C	710
		1 3 6	7 P a g e



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District: Lawngtlai

Mizo

Period: 14 June - 18 June, 2017

Date of issue: 13th June, 2017

	1 1	P			
Parameters	14.06.2017	15.06.2017	16.06.2017	17.06.2017	18.06.2017
Rainfall (mm)	5	10	5	7	44
Max Temp (°C)	26	28	30	31	29
Min Temp (°C)	22	22	22	22	21
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	97	97	97	97	98
Min RH (%)	83	59	78	75	75
Wind Speed (KmpH)	2	2	4	6	4
*Wind Direction	N-E	W	E	S-E	S-E
	ly- <mark>S</mark> , South-W	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	arenthesis)
Aizawl- 384.87mm (430.2mm)	Champhai	i- 105.48mm \$ (359.89mm)	Saiha- 307.40 n (507.7n	nm Kolasib- nm)	236.00mm (428.1mm)
Lawngtlai-291.20mm (453.1mm)		465.14mm)	Mamit-204.87n (442.80n	nm)	-411.72mm (259.62mm)
Weather summary of three days	-	14 th June- 1	8 th June, 20 dinhmun tu:		sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):96- Minimum RH (%):84-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 2-4 km/1 Rainfall: 27.1 mm	6-18°C 98% 92% heasterly cloudy	Tun ni 5 chhun tura beisei a ni. 1 vawh lai ber in berin 97-98% le niin. Thli hi dar awi zawngin a the hian khawthiang Weekl	Khua a lum lai 21-22ºC ni tu h a hniam lai kar khatah 2-6 ch rin a ni. A tl tak hmuh bei	berin 26-31ºC ura beisei a ni berin 59-83% 6 km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung
NDVI for Mizoram		North East Region 11 May 2017 1 + 0.2 1 + 0.2	Conditions	wet mildly dr	y/mildly wet
			~		1 Page

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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		🖊 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 site of	Townsetture being lutule lab 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	A REAL	rah tan tirin chawlhkar hnih chhung chu		
		V Ca	heng te hian enkawl tur ani: carbaryl 0.2		
	1		percent emaw malathion 0.15 percent		
			suspension containing sugar or jeggery at		
			10 g/l.		
PLANTATION CR		Lenverser			
COFFEE	All stages		Nursery stage		
		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	$\langle \langle \rangle \rangle$	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			
			4 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		
211490					

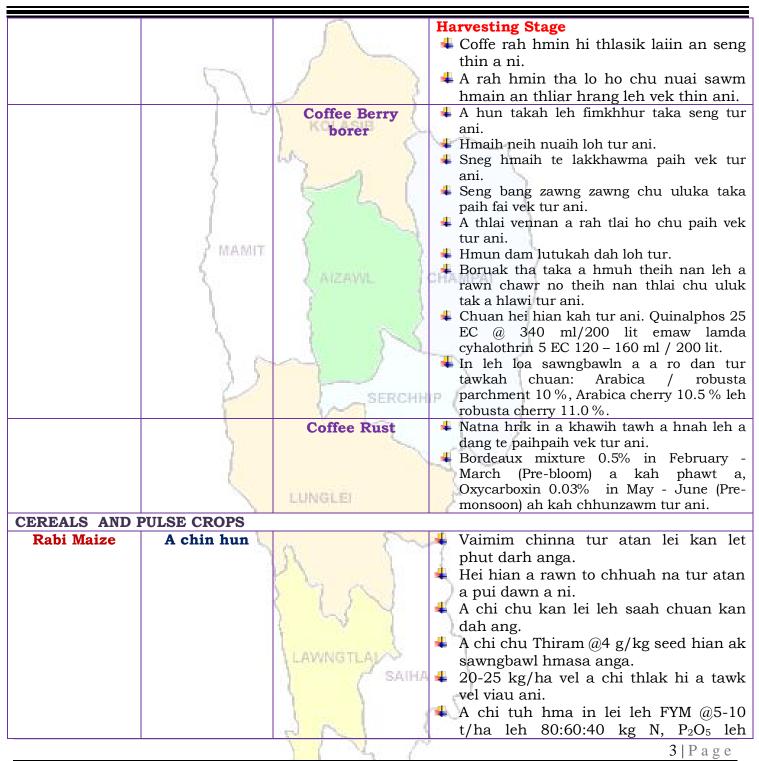


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	5		K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black 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
		and the second	



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Onion and	Nursery stage	KOLASIB Poly house	 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	MAMIT	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.
	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	
		A CONTRACTOR OF A CONTRACTOR O	5 P a g e

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ANIMAL HUSBENDARY						
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. 			
	{ MAMIT	Reproductive Respiratory Syndrome (PRRS).	снамра			
	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.			
		FN1	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		1-6 ah F1 vaccine pek tur ani a, chuan
	}	221	a puitlingh chuan R₂B vaccine pek tur ani.B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium or
	Summer		coccidiostat
	7 MAMIT	4-5 th Weeks	\blacksquare 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	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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