

#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Aizawl Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	12	31	22	19	32
Max Temp (°C)	32	31	30	29	29
Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	100	100	99
Min RH (%)	45	50	60	61	70
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):29-30°C

Minimum Tem. (°C):17-18°C Maximum RH (%):88-93%

Minimum RH (%):58-71%

Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

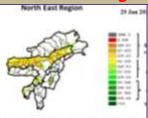
Rainfall: 14.4 mm

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 12-15°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 45-70%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Manly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 116.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Animal   Fisheries	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.		_	practices/ Pest/	husbandry advisories
Nursery and gap filling stage   STAR FRUIT	/Fisheries		Diseases	
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  AMMIT  PLUM AND PEACH  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  Ib moderate and temperature will be less, so drainage should be sown in the nursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Lamon butterfly- Spray monocrotophos (0.0-5 ml/lit of water)  Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	FRUITS CROPS			
STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  STAR FRUIT  Composition  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Sed should be maintain around the field properly.  Sed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/p t).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 ml/lit of water.  Lamon butterfly. Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker.  Apply bacterimycin @0.6 g/lt of water.  I day temperature and prolong dry spell occur it lead to Ploral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	KHASI	Nursery and	<" 3	According to forecast probability of rain will
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	MAMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> </ul>

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CEREALS AND PULSE CROPS         Maize (Jhum)       Vegetative stage       Coording to forecast probability will be moderate and temperate be less, so drainage should be rearound the field properly.         Larthing up soil for better growth	ture will
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stability in root zone.  Use split dose of any nitr fertilizer for better growth.	wth and
Jhum Rice  Stage  According to forecast probability will be moderate and temperate be less, so drainage should be around the field properly.	ture will
■ Earthing up soil for better growstability in root zone. ■ Use split dose of any nitrefertilizer for better growth.	
VEGETABLE CROP	
Ginger and turmeric  Rhizome should be treated with @4 g/kg seed.  Use optimum seed rate (50-60 kg for desire plant population.  Apply well decomposed FY manure @ 10-20 t/ha alond 120:80:60 kg N, P2O5 and incorporate with soil before Half nitrogen dose will use at of sowing and remaining 25% and incorporate with solid rema	kg/ha)  'M/ pig ng with K <sub>2</sub> O/ha sowing. the time
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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)



			month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and</li> </ul>
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>pumpkin beetle.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> </ul>
	1	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	LAWNGTLAN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SAIHA	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  5   P a g e

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		-	+ D (1) 11 C 1 (1) 11 1
			Larthing up soil for better growth and
			stability in root zone.
			♣ Don't use split dose of any nitrogenous
		2	fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	The state of	V comment	pits filled up with FYM (12-15) t/ha
	J.	KOLASIB	♣ Sprouted corms or cormels are planted
	1	En.	5-7 deep at a spacing of 40-50 cm
	1	7	between and within rows in the pits.
	)		♣ Inorganic fertilizer like Urea, SSP and
	)	Similar	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages		♣ Animals must keep in dry place or
	MAMIT	1	kept in alleviated area and dry bedding
	5	LAIZAWL I	(straw) to be provided to young
	1	Communication 1	animals.
	1	j )	↓ 1 <sup>st</sup> injection at 6 months of age and
	1		2nd injection at 12 months of age
	1	1 1 1	followed by annual vaccination under
	) 6		vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
		SERCHN	Provide adequate potable water.
		(~	♣ In present weather conditions
	V.		vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	13
	3	Syndrome (PRRS).	
Cattle	All age group	200	♣ In present weather conditions, special
		77	care should be taken against attack of
		3	maggots in the wounds of animals.
	l l	( by se )	Application of turpentine oil in the
			wounds followed by application of
	l l	-5	antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		LAWNGTLAN	feed
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex
		SAINA	in feed
			⁴ 1st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
	•	6	

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	7	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	1	all a	+ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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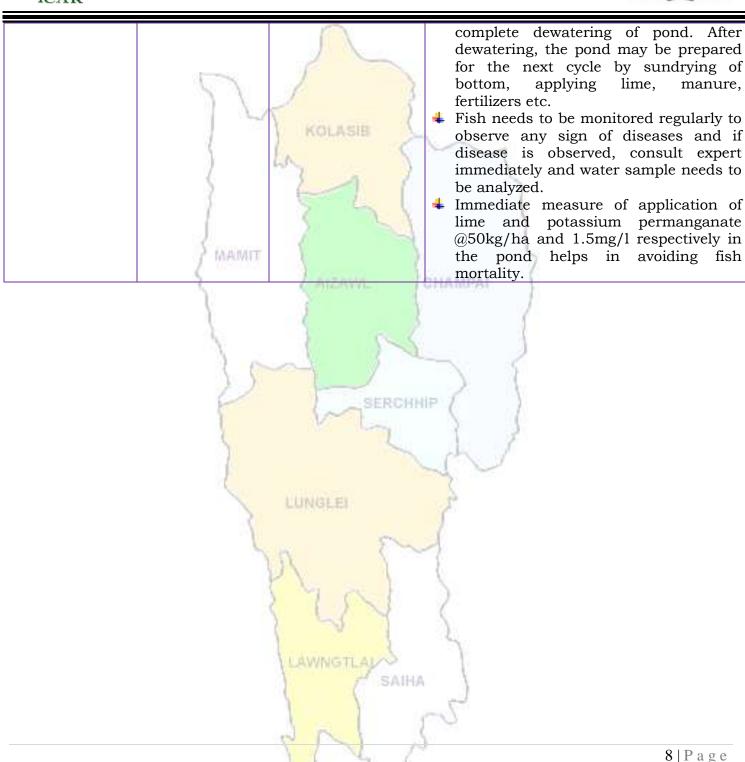


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SAIHA

LAWNGTLAL

CHAMPAI

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Parameters
Rainfall (mm)
Max Temp (°C)
Min Temp (°C)
Cloud Coverage
Max RH (%)
Min RH (%)

Wind Speed (KmpH)

\*Wind Direction

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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S-E

District: Aizawl Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/Mizo

4

S-E

1. 1	6	(		
02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
12	31	22	19	32
32	31	30	29	29
12	12	13	13	15
Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
98	99	100	100	99
45	50	60	61	70

Date of issue: 01th June, 2018

2

S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

2

S-E

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days O2<sup>nd</sup> June – 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

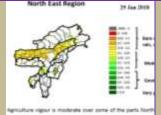
Maximum Tem. (°C):29-30°C
Minimum Tem. (°C):17-18°C
Maximum RH (%):88-93%
Minimum RH (%):58-71%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2-3 km/hr

Rainfall: 14.4 mm

**NDVI** for Mizoram

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 12-15°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 45-70% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 116.0mm



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\	)	Ken tur iakan ta veng uleram.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CEORG	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	7 ( )	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	Į.		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	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	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3.3	1		an chaw eitur thlak sak thut loh tur
	1	V V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	1	W 1		a puitlingh chuan R2B vaccine pek tur
	)			ani.
	)	5 6	_	B complex with antibodies
	1	4 <sup>th</sup> weeks	4	<b>Coccidiosis-</b> Amprolium or
	8			coccidiostat
	J. Wednit	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	AIZAWIL.	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	) 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(p)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	100	AMERICAN STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
		13	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1 7 7	8	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		Laurence Trans		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	)
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		60	100	

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



S-E

(213.6 mm)

District: Champhai Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

S-E

	0.00	P	5.0		
Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	16	18	29	32	34
Max Temp (°C)	24	24	23	23	22
Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	100	100	100	100
Min RH (%)	65	46	59	61	61
Wind Speed (KmpH)	3	2	2	0	2

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

S-E

(185.6 mm) (119.4 mm) (109.8 mm)

Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):28-29°C Minimum Tem. (°C):19-21°C

Maximum RH (%):83-95%

Maximum RH (%):83-95% Minimum RH (%):52-68%

Wind Direction: Southeasterly
Cloud cover: Partially clear

Wind speed: 2 km/hr

Rainfall: 16.3 mm

\*Wind Direction

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

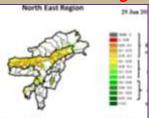
S-E

Date of issue: 01th June, 2018

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 22-24°C and 12-15°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 46-65%. Wind direction would be southeasterly to westerly and southeasterly with the wind speed of 0-3 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 129.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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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)



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	e" 5	According to forecast probability of rain will			
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,			
AND ACID	stage	I TOTAL POOLS	so drainage should be maintain around the			
LIME	Stuge	W 1	field properly.			
	(	3 4 /	<b>By seeds:</b> Seed should be sown in the			
STAR FRUIT	7		nursery immediately after extraction in			
	f.	3	to a depth 1.5 to 2 cm extraction at			
	, J)		10x5 cm distance. Seedlings are planted			
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-			
PEACH	2 1/25/1/1		6 leaf stages.			
	1	( AIZAWL )	→ Potting mixture of soil, sand and FYM or			
	1		compost should be in proper ratio.			
	1	(	♣ Application of split dose of fertilizer 600: 200:100 (g/pt).			
	1	1 1	♣ Only certified seed should be used.			
	) 6		♣ Stagnation of water in beds should be			
	300		avoided.			
		SERCHI	♣ In the citrus belt, trees can be planted			
		~	at any time; however, pre-monsoon is			
	\ \		the best time for transplant or gap			
			filling.			
			Standard-size trees should be spaced 12			
	2.6	WHITTEN	to 25 feet apart and dwarf trees should			
		LUNGLEI	be set 6 to 10 feet apart. The exact			
	1		distance depends on the variety. The			
		W 0	bigger the fruit, the farther the distance.			
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.			
	1	citrus Canker, Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5			
		Dieback, Lamon	ml/lit of water) at each flush emergence.			
	1	butterfly and	<b>4 Citrus Canker-</b> Apply bacterimycin			
		leaf minor	@0.6 g/lt of water.			
PLANTATION CR	OP		<u> </u>			
COFFEE	Blooming	F SAIHA	♣ If day temperature and prolong dry			
<del></del>	stage	( (	spell occur it lead to Floral			
	2-28-		abnormalities like "Star Flower" in			
			Arabica and "Pink Flower" in Robusta.			
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	MAMIT	KOLASIB	<ul> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> </ul>

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### ICAR RESEARCH COMPLEX FOR NEH REGION

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Maize (Jhum)  Vegetative stage  (Jhum)  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  VEGETABLE CROP  Ginger and turmeric  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, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one	Passion Fruit	Nursery stage	KOLASIB	<ul> <li>Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>The seedlings are planted in field when they become 3-4 months old.</li> <li>Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>
will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Learthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth and stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  VEGETABLE CROP  Ginger and turmeric  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, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one				A a a sudio a ta fana a a ta a a a a la
# According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  # Earthing up soil for better growth and stability in root zone.  # Use split dose of any nitrogenous fertilizer for better growth.    VEGETABLE CROP			AIZAWL	will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Earthing up soil for better growth and stability in root zone.  Use split dose of any nitrogenous
stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.  VEGETABLE CROP  Ginger and turmeric  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, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one	Jhum Rice		CA BERGINI	♣ According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.
Ginger and turmeric  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, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one		1	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous
# Use optimum seed rate (50-60 kg/ha) for desire plant population.  # Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one		OP		
410	_	Sowing stage		<ul> <li>@4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time</li> </ul>
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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0) (	<b>♣</b> According to forecast probability of
us crop	(Ferminal Co.)		rain will be moderate and temperature
•	1	/	will be less, so drainage should be
		3	maintain around the field properly.
		V	♣ Provide split doses of urea (70g/pt) at
	1	KOLASIB	the time of full blooming
	1	En S	
	1	7	cent or malathion 0.15 per cent
	)		suspension containing sugar or
	)	5	jeggery at 10 g/l at fortnightly
	1		intervals at flowering and fruit
	3		initiation against fruit fly and
	J. MAGNIT	1 )	pumpkin beetle.
Chilli	Vegetative to	Z AIZAWL Z	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	) }	will be less, so drainage should be
	1	8 6 7	maintain around the field properly.
	1		Larthing up soil for better growth and
	1		stability in root zone.
	1)		Don't use split dose of any nitrogenous fertilizer for better growth.
		SERCHN	If possible use straw mulch/ grass
	1	V	mulch in row to prevent moisture loss
			and better growth of plant.
	- 4	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	H1975 H197	fortnightly intervals at flowering and fruit
0	774-4-4	200	initiation.
Cowpea	Vegetative	7 7	According to forecast probability of rain will be moderate and temperature will
	stage		be less, so drainage should be maintain
	()	( 5 20 )	around the field properly.
			Larthing up soil for better growth and
		-3	stability in root zone.
			Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
		200	around the field properly.
		11 11 1	5   P a g e

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		-	+ D (1) 11 C 1 (1) 11 1
			Larthing up soil for better growth and
			stability in root zone.
	100000		♣ Don't use split dose of any nitrogenous
		2	fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	The Contract of the Contract o	V comment	pits filled up with FYM (12-15) t/ha
	J.	KOLASIB	♣ Sprouted corms or cormels are planted
	1	En.	5-7 deep at a spacing of 40-50 cm
	1	7	between and within rows in the pits.
	)		♣ Inorganic fertilizer like Urea, SSP and
	)	Similar	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages		♣ Animals must keep in dry place or
	J. WYWIT	1	kept in alleviated area and dry bedding
	ς	LAIZAWL I	(straw) to be provided to young
	1	Communication 1	animals.
	1	j )	↓ 1 <sup>st</sup> injection at 6 months of age and
	1		2nd injection at 12 months of age
	7	1 1 1	followed by annual vaccination under
	) 6		vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
		SERCHN	Provide adequate potable water.
		(~	♣ In present weather conditions
	y.		vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
	14	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	13
	3	Syndrome (PRRS).	
Cattle	All age group	200	♣ In present weather conditions, special
		17	care should be taken against attack of
			maggots in the wounds of animals.
	l l	( by se )	Application of turpentine oil in the
			wounds followed by application of
	1	-5	antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		LAWNGTLAN	feed
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex
		SAINA	in feed
			⁴ 1st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
		6	

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY	1		Tromove wer letter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
		114	7   Page

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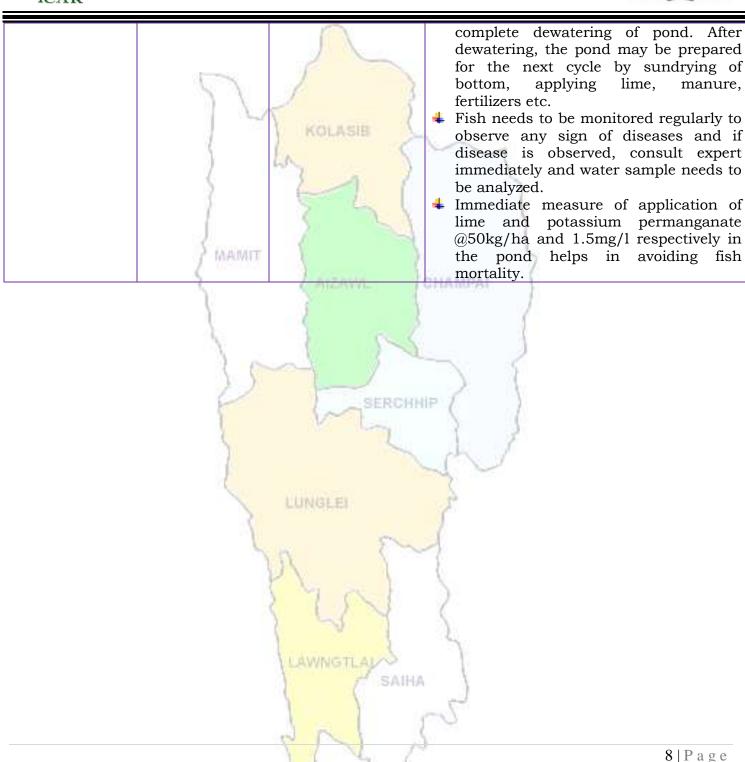


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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



**District:** Champhai Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/Mizo

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	16	18	29	32	34
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Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	100	100	100	100
Min RH (%)	65	46	59	61	61
Wind Speed (KmpH)	3	2	2	0	2
*Wind Direction	S-E	S-E	S-E	W	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm (185.6 mm)

Champhai- 273.3 mm (119.4 mm)

Saiha- 140.6 mm

Kolasib- 334.8 mm (213.6 mm)

Lawngtlai-157.2 mm

Lunglei- 336.4 mm

(117.6 mm)

(109.8 mm)Mamit-388.3 mm

Serchhip-158.4 mm

(214.2 mm)

(101.5 mm)Weather summary of the past

three days

02<sup>nd</sup> June - 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

(236.2 mm)

Maximum Tem. (°C):28-29°C Minimum Tem. (°C):19-21°C Maximum RH (%):83-95% Minimum RH (%):52-68% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 22-24°C a ni ang a. A vawh lai ber in 12-15°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 46-65% ni tur a rin niin. Thli hi darkar khatah 0-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 16.3 mm

#### Weekly cumulative rainfall: 129.0mm

**NDVI** for Mizoram

North East Region

Mildly dry condition occurs in all districts of Mizoram.

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### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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Stage	Cultural	Agricultural / Horticultural/ animal
	practices/ Pest/	husbandry advisories
	Diseases	
A kui atanga a seng hun	KOLASIB &	Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.
)	Wy (	♣ Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
}	56	Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
\$ MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
}	}	keh tur lakah t a veng thei ani.
15	Gummosis, citrus canker, citrus greening and Dieback	➡ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu
	A kui atanga a seng hun	Gummosis, citrus canker, citrus greening and Dieback Fruit fly ROP  All stages

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	2.3	1	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1	Borer	♣ Hmaih neih nuaih loh tur ani.
	)	EA.	♣ Sneg hmaih te lakkhawma paih vek tur
		1 1	ani.
	7	the said of the	♣ Seng bang zawng zawng chu uluka taka
	1	2	paih fai vek tur ani.
	1	27	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	MAMIT	1	♣ Hmun dam lutukah dah loh tur.
	5	Z AIZAWL	Boruak tha taka a hmuh theih nan leh a
	- Y	The state of the s	rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	Δ.	1	+ Chuan hei hian kah tur ani. Quinalphos 25
	1		EC @ 340 ml/200 lit emaw lamda
	)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.  In leh loa sawngbawln a a ro dan tur
	100		tawkah chuan: Arabica / robusta
		SERGIN	
		SERCHN	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		COLLOG ITUSC	dang te paihpaih vek tur ani.
	- 1		♣ Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		A COMMON CO.	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		
Rabi Maize	A chin hun	w 85%	✓ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	/		Hei hian a rawn to chhuah na tur atan
		3 7 6 1	a pui dawn a ni.
	,		♣ A chi chu kan lei leh saah chuan kan
		( -3 4	dah ang.
		1	♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		J SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
		1	vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 5	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
	I	1/1/	
			3   P a g e

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Southean nea	All stage	Zero tillage	K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.  ♣ A than a that theih nan nikhat danah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zeio tinage	<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR		11-34	1911 1911
Tomato	Bacterial Blight disease	LUNGLEI	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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	Porcine Reproductive	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> <li>Vawknote emaw vawk lak hran.</li> </ul>
	{	Respiratory Syndrome (PRRS).	CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAUS	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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		4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	*	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	ventive easures	week +	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	4 <sup>th</sup> we		<b>Coccidiosis-</b> Amprolium or coccidiostat
	4-5 <sup>th</sup> V		Calcium tonic fortified with B <sub>12</sub>
FISHERY	CATZAI	WL CH	AMPAI }
Monit (Sang enkar			Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Kolasib Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	16	28	43	44	41
Max Temp (°C)	33	32	32	30	29
Min Temp (°C)	14	14	14	15	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	100	100	99
Min RH (%)	61	66	64	62	59
Wind Speed (KmpH)	5	2	0	2	2
*Wind Direction	S-E	E	E	S-E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)

Weather summary of the past three days

Maximum Tem. (°C):26-29°C

Minimum Tem. (°C):20-21°C Maximum RH (%):81-100%

Minimum RH (%):74-92%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

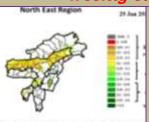
Rainfall: 26.1 mm

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-33°C and 14-15°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 59-66%. Wind direction would be southeasterly to easterly to southeasterly and easterly with the wind speed of 0-5 km per hour. Mainly clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 172.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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### ICAR RESEARCH COMPLEX FOR NEH REGION

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases	•		
FRUITS CROPS					
KHASI	Nursery and	e" 1	According to forecast probability of rain will		
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,		
AND ACID	stage	NULHOID	so drainage should be maintain around the		
LIME	Stage	an A	field properly.		
	(	3 4 6	<b>By seeds:</b> Seed should be sown in the		
STAR FRUIT	7		nursery immediately after extraction in		
	/	3	to a depth 1.5 to 2 cm extraction at		
	J		10x5 cm distance. Seedlings are planted		
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-		
PEACH	/ intervitor		6 leaf stages.		
	1	/ AIZAWL )	→ Potting mixture of soil, sand and FYM or		
	1	2	compost should be in proper ratio.		
	1		4 Application of split dose of fertilizer 600:		
	6	1 64	200:100 (g/pt).		
	1		4 Only certified seed should be used.		
	100		♣ Stagnation of water in beds should be avoided.		
		armani d	☐ In the citrus belt, trees can be planted		
		SERCH	at any time; however, pre-monsoon is		
	l l		the best time for transplant or gap		
		5	filling.		
		(3)	Standard-size trees should be spaced 12		
			to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	3		distance depends on the variety. The		
		500	bigger the fruit, the farther the distance.		
	. 7	Gummosis,	Lamon butterfly- Spray monocrotophos		
		citrus Canker,	@0.04% @1.2 ml/lt of water.		
		Citrus greening,	Leaf minor- Spray confider 0.05% (0.5		
		Dieback, Lamon	ml/lit of water) at each flush emergence. <b>4 Citrus Canker-</b> Apply bacterimycin		
		butterfly and	<b>4 Citrus Canker-</b> Apply bacterimycin @0.6 g/lt of water.		
DI ANTARION CO	OR	leaf minor	wo.0 g/It of water.		
PLANTATION CROP					
COFFEE	Blooming	# SAIHA	♣ If day temperature and prolong dry spell occur it lead to Floral		
	stage		abnormalities like "Star Flower" in		
			Arabica and "Pink Flower" in Robusta.		
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	MAMIT	KOLASIB	<ul> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	376	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 1.1		
Maize (Jhum)	Vegetative stage	AIZAVIL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	SERCHH	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
	1	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	OP		-
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		( ) N	V

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0)	♣ According to forecast probability of
us crop	OF-000		rain will be moderate and temperature
•	1	/	will be less, so drainage should be
		21	maintain around the field properly.
	1	V comment	♣ Provide split doses of urea (70g/pt) at
	J.	KOLASIB	the time of full blooming
	1	En S	♣ In large gardens apply carbaryl 0.2 per
	1	7	cent or malathion 0.15 per cent
	7		suspension containing sugar or
	1	5 6	jeggery at 10 g/l at fortnightly
	1		intervals at flowering and fruit
	R manuae		initiation against fruit fly and
	J. MAUNIT	1	pumpkin beetle.
Chilli	Vegetative to	Z AIZAWL	+ According to forecast probability of
	flowering	7	rain will be moderate and temperature
	stage	1	will be less, so drainage should be
	1	a carl	maintain around the field properly.
	1		Larthing up soil for better growth and
			stability in root zone.  Don't use split dose of any nitrogenous
	1)		fertilizer for better growth.
		SERCHN	↓ If possible use straw mulch/ grass
	V.	V Long	mulch in row to prevent moisture loss
	-		and better growth of plant.
	- 4	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	THE STATE OF THE S	fortnightly intervals at flowering and fruit
Common	Vogototiro	Coc	initiation.  According to forecast probability of rain
Cowpea	Vegetative	17 ( ~~	will be moderate and temperature will
	stage		be less, so drainage should be maintain
	()	( 19 70 )	around the field properly.
			♣ Earthing up soil for better growth and
		-0	stability in root zone.
			♣ Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	/ SAIHA	♣ According to forecast probability of rain
	stage		will be moderate and temperature will
			be less, so drainage should be maintain
	<u> </u>	NA	around the field properly.
		1 4 6	5   P a g e

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> </ul>
	3	See L	♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		() 187-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	Ji.	Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory	2
	)	Syndrome (PRRS).	7
Cattle	All age group	LAWNGTLALSAIHA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY			Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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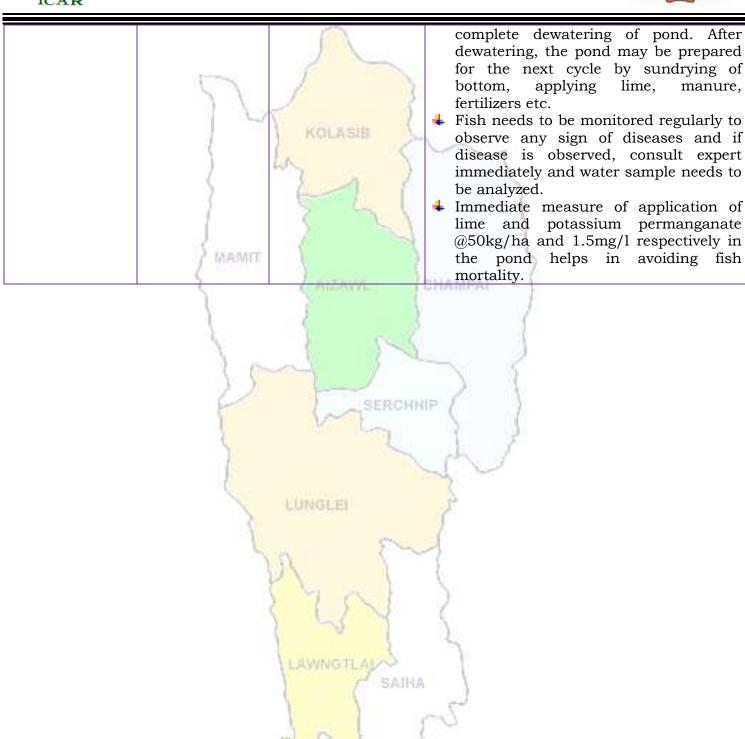
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SAIHA

LAWNGTLAL

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District: Kolasib Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/Mizo

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	16	28	43	44	41
Max Temp (°C)	33	32	32	30	29
Min Temp (°C)	14	14	14	15	14
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	99	100	100	99
Min RH (%)	61	66	64	62	59
Wind Speed (KmpH)	5	2	0	2	2
*Wind Direction	S-E	E	E	S-E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)

Weather summary of the past three days 02<sup>nd</sup> June - 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-29°C
Minimum Tem. (°C):20-21°C
Maximum RH (%):81-100%
Minimum RH (%):74-92%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2-3 km/hr

Rainfall: 26.1 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-33°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 59-66% ni tur a rin niin. Thli hi darkar khatah 0-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 172.0mm

NDVI for Mizoram

Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural / animal husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		- C	♣ Thlasik laia thlai bul khoro lutuk tur
KHASI MANDARIN AND ACID LIME	A kui atanga a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.  Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.
BANANA STAR FRUIT	]	374	<ul> <li>Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha</li> </ul>
PLUM AND	MAMIT	AIZAWL	taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.
PEACH	\	)	Ken tur iakan ta veng uleram.
	35	Gummosis, citrus canker, citrus greening and Dieback	♣ Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLANSAIHA	Nursery stage  ↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.  ↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.  ↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.  ↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.  ↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
	- 1		paih fai vek tur ani.
	J	20	♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CERRALC AND	NIII CE CECE	THE PARTY OF THE P	monsoon) ah kah chhunzawm tur ani.
CEREALS AND		Cont.	1 T7: 10: 10: 11: 10: 10: 10: 10: 10: 10: 10
Rabi Maize	A chin hun	7 ( )	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	l l		a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		Leavanner as al	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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	5		<ul> <li>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.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	7		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	TIMMAT (		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theil nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
1011140	Blight disease		natna an kaina tlang lawn ber ani .
	3	LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	Print 12 (20)	hmunah chuan natna an kai hma bik
	1	50	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
D 1 0 1	701 1 4		tur ani .
Early Cole	Black spot disease	1 2	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	uiscasc	land and the same of the same	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		2 2	- sa vangin a iman an um uum tawii

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	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	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3.3	1		an chaw eitur thlak sak thut loh tur
	1	V V		ani.
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	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	1	W 1		a puitlingh chuan R2B vaccine pek tur
	)			ani.
	)	5 6	_	B complex with antibodies
	1	4 <sup>th</sup> weeks	4	<b>Coccidiosis-</b> Amprolium or
	8			coccidiostat
	J. Wednit	4-5 <sup>th</sup> Weeks	+	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	AIZAWIL.	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	) 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(p)	hmun ro leh uap lutuk lo ah dahthat
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				atangin sangha a him phah thin.
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	100	AUTO AND STATE OF THE PARTY.		buatsaih a ti awlsam a, dil mawng
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	1		7	dang in dil buatsaih tur ani.
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	3		1	chuan mithiam te rawn vat a, diltui
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		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		Laurence Trans		sangha natna avang a thi tur lak
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		SAIHA	1	)
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				2
		60	100	

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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	12	31	22	19	32
Max Temp (°C)	32	31	30	29	29
Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	100	100	99
Min RH (%)	45	50	60	61	70
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C): 29-30°C Minimum Tem. (°C):18-20°C

Maximum RH (%):85-95%

Minimum RH (%):53-71% Wind Direction: Southeasterly

Cloud cover: Partially clear Wind speed: 3 km/hr

•

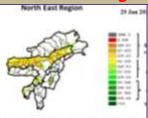
Rainfall: 12.5 mm

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 12-15°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 45-70%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 116.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,
AND ACID	stage	1	so drainage should be maintain around the
LIME		(A)	field properly.
CMAD DDIIM	(	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	3	The same of the sa	nursery immediately after extraction in
	f.		to a depth 1.5 to 2 cm extraction at
DT 1112 A 11D	J		10x5 cm distance. Seedlings are planted
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-
PEACH	Z. 102550000	1000000	6 leaf stages.  Potting mixture of soil, sand and FYM or
	16	( AIZAWL	compost should be in proper ratio.
	1	1	♣ Application of split dose of fertilizer 600:
	1	(	200:100 (g/pt).
	1	1 150	♣ Only certified seed should be used.
	) 6		♣ Stagnation of water in beds should be
	1		avoided.
		SERCH	♣ In the citrus belt, trees can be planted
			at any time; however, pre-monsoon is
	1		the best time for transplant or gap
			filling.
	()()		► Standard-size trees should be spaced 12
		WHAT THE TANK	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
			bigger the fruit, the farther the distance.
		Gummosis, citrus Canker,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.
	1	Citrus Canker, Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
	1	butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		5.
COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry
	stage		spell occur it lead to Floral
	3 3 3 3		abnormalities like "Star Flower" in
		12	Arabica and "Pink Flower" in Robusta.
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		344	2   1 a g c

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	MAMIT	KOLASIB	<ul> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	{	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAUSAIHA	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	375	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 1010000000000000000000000000000000000		
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	Mark SERGHH	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and</li> </ul>
	3	LUNGLEI	stability in root zone.  Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	OP	The same of the sa	Totalizor for better growth.
Ginger and turmeric	Sowing stage	LAWNGTLAN	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		C N	

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		♣ According to forecast probability of
us crop			rain will be moderate and temperature
•	1	/	will be less, so drainage should be
	1 /	-1	maintain around the field properly.
		V comment	♣ Provide split doses of urea (70g/pt) at
	J.	KOLASIB	the time of full blooming
	1	La S	↓ In large gardens apply carbaryl 0.2 per
	/	7 2	cent or malathion 0.15 per cent
	7		suspension containing sugar or
	1	2	jeggery at 10 g/l at fortnightly
	1		intervals at flowering and fruit
	Same		initiation against fruit fly and
	/ MAMIT	1	pumpkin beetle.
Chilli	Vegetative to	LAIZAWL /	+ According to forecast probability of
	flowering	7	rain will be moderate and temperature
	stage	- 2	will be less, so drainage should be maintain around the field properly.
	1	1 66	Earthing up soil for better growth and
	1	1 3 3	stability in root zone.
			♣ Don't use split dose of any nitrogenous
		- Company	fertilizer for better growth.
		SERCHN	♣ If possible use straw mulch/ grass
	V V		mulch in row to prevent moisture loss
			and better growth of plant.
		Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
	71(		or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3		fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	500	♣ According to forecast probability of rain
	stage	11	will be moderate and temperature will
			be less, so drainage should be maintain
	1	100	around the field properly.
	1	1 5 3	♣ Earthing up soil for better growth and
		1	stability in root zone.
		1	♣ Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	SAIHA	According to forecast probability of rain
	stage		will be moderate and temperature will
		1 2 1	be less, so drainage should be maintain
		6	around the field properly.
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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> </ul>
	3		♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	Ji.	Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory	à
	3	Syndrome (PRRS).	5
Cattle	All age group	LAWNGTLAU SAIHA	In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.  Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed  1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection

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	5	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	1	all a	+ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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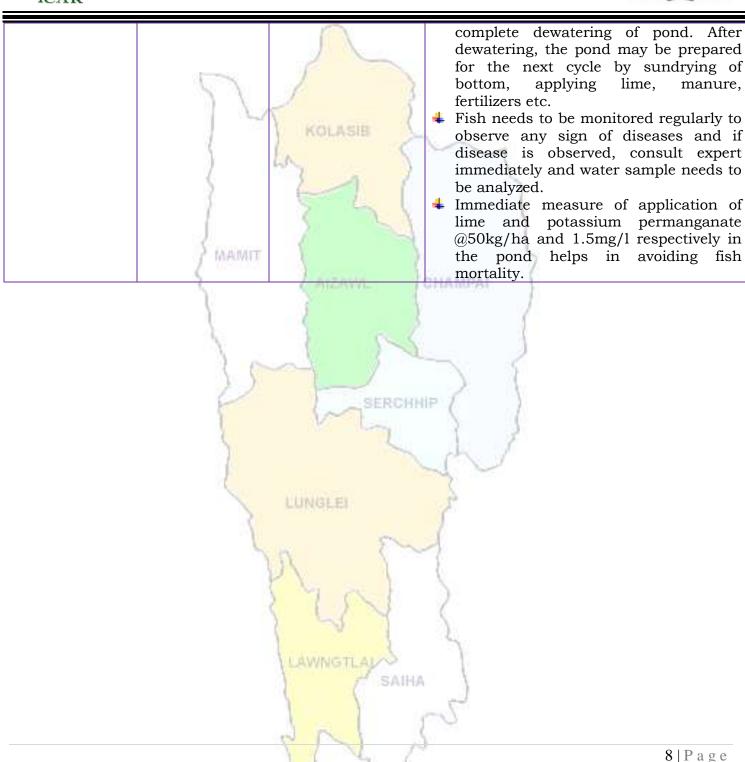


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Bulletin No: - 795/2018/ Bulletin/Mizo

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Max RH (%)	98	99	100	100	99
Min RH (%)	45	50	60	61	70
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- March 1-31, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm

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(185.6 mm) Lawngtlai-157.2 mm

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(213.6 mm) Serchhip-158.4 mm

(101.5 mm)

(117.6 mm)

Mamit-388.3 mm (236.2 mm)

(214.2 mm)

Weather summary of the past three days

02<sup>nd</sup> June – 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C): 29-30°C
Minimum Tem. (°C):18-20°C
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Minimum RH (%):53-71%
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Cloud cover: Partially clear
Wind speed: 3 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 12-15°C ni tura beisei a ni. RH san lai berin of 98-100% leh a hniam lai berin 45-70% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 12.5 mm

Weekly cumulative rainfall: 116.0mm

**NDVI** for Mizoram

Moderately wet mildly dry/mildly wet conditions

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### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

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		100	Homosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1. 1	C R	♣ A rah hmin tha lo ho chu nuai sawm
	) \	20	hmain an thliar hrang leh vek thin ani.
	Last tool	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	4	f., S	♣ Hmaih neih nuaih loh tur ani.
	)	wy )	♣ Sneg hmaih te lakkhawma paih vek tur
		1	ani.
	(	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	- 1	1	paih fai vek tur ani.
		20	4 A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	/ MAMIT	A 7	Hmun dam lutukah dah loh tur.
	5	AIZAWL I	+ Boruak tha taka a hmuh theih nan leh a
	1	Constitution 1	rawn chawr no theih nan thlai chu uluk
	1	5	tak a hlawi tur ani.
	1	5	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	100	EC @ 340 ml/200 lit emaw lamda
	1 0	7 7	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		6.00	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.  Bordeaux mixture 0.5% in February -
	137		March (Pre-bloom) a kah phawt a,
	16	Marine and Control	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	OIII SE CDODS		monsoon an kan cimunzawin tur am.
Rabi Maize	A chin hun	57	♣ Vaimim chinna tur atan lei kan let
Navi Maize	A CHIII HUII	17	
	)		phut darh anga.  Hei hian a rawn to chhuah na tur atan
	\(\lambda	C C S I	
	Į.	2	a pui dawn a ni.
		1 -4	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		A comment of the	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	0 -0 116/114 101 4 0111 0111411 111 4 041111
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 1 (	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VVV	3   P a g e

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Contract	5		<ul> <li>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.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		75	tur ani .
Early Cole	Black spot	20 7	A than a that theih nan nikhat danah tui pek thin tur ani.
crop	disease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh  an yangin a hash ah thil dum rayun
			sa vangin a hnah ah thil dum rawn

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	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	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	.±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	} meomit	4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
FISHERY	2 11121111	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		SAIHA		27

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SAIHA

LAWNGTLAL

CHAMPAI

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Lunglei Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	17	19	27	40	38
Max Temp (°C)	33	32	32	30	29
Min Temp (°C)	14	15	14	14	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	98	100	100	100
Min RH (%)	49	57	58	61	68
Wind Speed (KmpH)	2	2	0	2	2
*Wind Direction	E	E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

Weather summary of the past three days

Maximum Tem. (°C):26-29°C

Minimum Tem. (°C):17-19°C Maximum RH (%):79-93%

Maximum RH (%):79-93% Minimum PH (%):58-78%

Minimum RH (%):58-78% Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2-3 km/hr

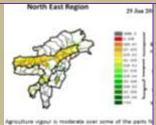
Rainfall: 10.3 mm

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-33°C and 14-15°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 49-68%. Wind direction would be easterly with the wind speed of 0-2 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 141.0 mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	C 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,
AND ACID	stage	NULHOID	so drainage should be maintain around the
LIME	Stage	LA A	field properly.
	(	3 4 6	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	7		nursery immediately after extraction in
	1	2	to a depth 1.5 to 2 cm extraction at
	1)		10x5 cm distance. Seedlings are planted
PLUM AND	Summer		in secondary bed or polythene bags at 4-
PEACH	) MAMIT		6 leaf stages.
	7.	Z AIZAWL I	→ Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
	1	1	♣ Application of split dose of fertilizer 600:
	16	1 6. (	200:100 (g/pt).
	. /		♣ Only certified seed should be used.
	1 (		→ Stagnation of water in beds should be
	+)		avoided.
		SERCH	In the citrus belt, trees can be planted
	1	V	at any time; however, pre-monsoon is
			the best time for transplant or gap
	1	1000	filling.
			Standard-size trees should be spaced 12
		Control of	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
		Gummaaaia	bigger the fruit, the farther the distance. <b>Lamon butterfly-</b> Spray monocrotophos
		Gummosis, citrus Canker,	@0.04% @1.2 ml/lt of water.
	1	Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
	1	butterfly and	<b>4 Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	POP	1001 1111101	<u> </u>
COFFEE	Blooming	F SAIHA	♣ If day temperature and prolong dry
001122	stage	( SAITE	spell occur it lead to Floral
	Stugo		abnormalities like "Star Flower" in
		1 2 1	Arabica and "Pink Flower" in Robusta.
	1	6	
			2   P a g e

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	MAIMIT	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when they become 3-4 months old.</li> </ul>		
		3	Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.		
CEREALS AND PULSE CROPS					
Maize (Jhum)	Vegetative stage	AIZAVIL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>		
Jhum Rice	Germination stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous</li> </ul>		
	3//	yes,	fertilizer for better growth.		
VEGETABLE CROP					
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>		
		C N			

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			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	0 1	♣ According to forecast probability of
us crop	(Ferminal Co.)		rain will be moderate and temperature
•		1	will be less, so drainage should be
		2	maintain around the field properly.
	1	V	♣ Provide split doses of urea (70g/pt) at
	1	KOLASIB	the time of full blooming
	1	Fa S	♣ In large gardens apply carbaryl 0.2 per
	1	7	cent or malathion 0.15 per cent
	)		suspension containing sugar or
	)	5	jeggery at 10 g/l at fortnightly
		5	intervals at flowering and fruit
	2		initiation against fruit fly and
	J. MAUNIT		pumpkin beetle.
Chilli	Vegetative to	LAIZAWL I	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	)	will be less, so drainage should be
	100	3 6 /	maintain around the field properly.
	1		Larthing up soil for better growth and
	1		stability in root zone.
	1)		Don't use split dose of any nitrogenous
		SERCHN	fertilizer for better growth.  If possible use straw mulch/ grass
	1	V	mulch in row to prevent moisture loss
			and better growth of plant.
	- 1	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent
		11410119	or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	)	PA1822-P1	fortnightly intervals at flowering and fruit
		y**e	initiation.
Cowpea	Vegetative \	m ?	According to forecast probability of rain
	stage	31	will be moderate and temperature will
	(	C Si Si V	be less, so drainage should be maintain
		2 1 3 3	around the field properly.
	ľ	-5	<b>Learthing up soil for better growth and stability in root zone.</b>
			♣ Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain
	stage	(	will be moderate and temperature will
	Jugo		be less, so drainage should be maintain
		201	around the field properly.
		1/1/	5   Page

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>
	3	5	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY		
Pig	All stages	AIZAWL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	()	Porcine Reproductive	1. Culling of positive pigs or piglets.
	1	Respiratory	2
	3	Syndrome (PRRS).	7
Cattle	All age group	LAWNGTLAUSAIHA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>♣ Provide UMB/Molases if possible in the feed</li> <li>♣ Provide 10-30 ml of vitamin B-Complex in feed</li> <li>♣ 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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	}	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY	1	all a	+ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAU SAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
		114	7   Page

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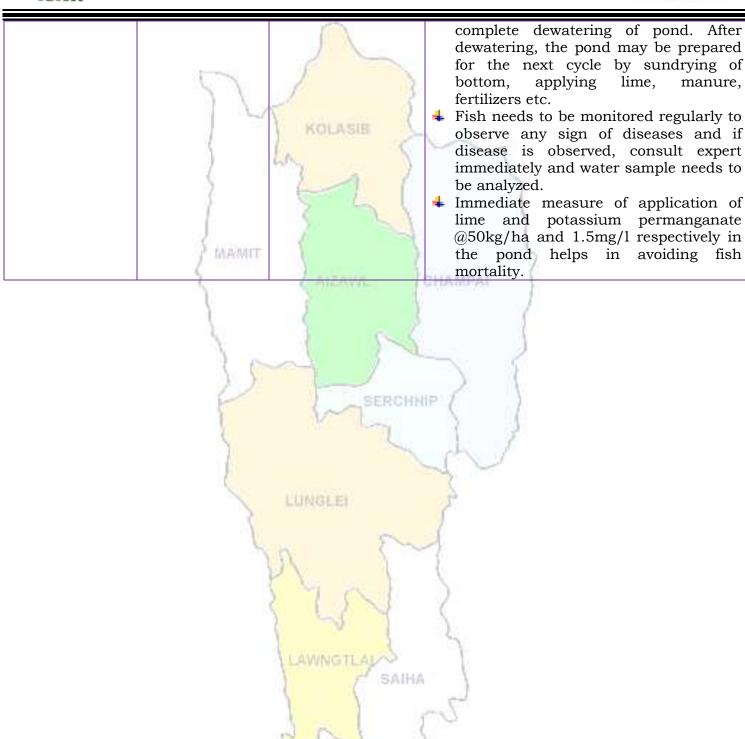
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SAIHA

LAWNGTLAL

CHAMPAI

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**District:** Lunglei Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/Mizo

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	17	19	27	40	38
Max Temp (°C)	33	32	32	30	29
Min Temp (°C)	14	15	14	14	15
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	98	100	100	100
Min RH (%)	49	57	58	61	68
Wind Speed (KmpH)	2	2	0	2	2
*Wind Direction	E	E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm (185.6 mm)(119.4 mm)

Saiha- 140.6 mm (109.8 mm) Kolasib- 334.8 mm (213.6 mm)

Lawngtlai-157.2 mm

Lunglei- 336.4 mm (117.6 mm) Mamit-388.3 mm

Serchhip-158.4 mm (214.2 mm)

Weather summary of the past three days

(101.5 mm)

02<sup>nd</sup> June - 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

(236.2 mm)

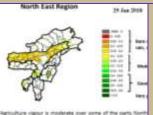
Maximum Tem. (°C):26-29°C Minimum Tem. (°C):17-19°C Maximum RH (%):79-93% Minimum RH (%):58-78% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-33°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 49-68% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Rainfall: 10.3 mm

Weekly cumulative rainfall: 141.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	V	borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	Y		♣ Seng bang zawng zawng chu uluka taka
	1		paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanta	1	Hmun dam lutukah dah loh tur.
	7	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	1	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	160	1 - 1	EC @ 340 ml/200 lit emaw lamda
	- /		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	1 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	Α	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	DILL CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Weigning things then the let less let
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
			phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
		2 1 3 3	a pui dawn a ni.
	N N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		6 C	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		1 1 1	3   P a g e

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	7		K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			
Tomato	Bacterial Blight disease	LUNGLEI	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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5	1	4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
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	11104004100	my )		a puitlingh chuan R <sub>2</sub> B vaccine pek tur
	5			ani.
	7	5	4	B complex with antibodies
	4	4th weeks	4	Coccidiosis- Amprolium or
	2			coccidiostat
	MAINIT	4-5th Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	1	AIZAVAL I	CH	AMPAI (
	Monitoring		4	Sangha te hi chaw a hmuar kai lo
	(Sangha	3		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 64		lo hmuar anih chuan pek hma in ni sa
	Clikawij			a phoro phawt tur ani.
	16.5		4	Sangha chaw hi a hmuar lohna turin
		NAME OF TAXABLE PARTY.	11.00	hmun ro leh uap lutuk lo ah dahthat
	1	SERCH	91	tur ani a, hmuar atang a tur lo inseam
	l l			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
	- 1	6.3		Dil sah kang veka sangha man thin
				hian a kumleh a sangha khawinan a dil
		LUNGLEI	90	buatsaih a ti awlsam a, dil mawng
	3		1	phoro, chinai phul, leitha hman leh tul
		500	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em
	. 7	11	1	tih enfiah fo a tha a, natna hmuh anih
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		135 6	8	enfiah vat tur ani.
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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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SAIHA

LAWNGTLAL

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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 Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	19	30	32	36	46
Max Temp (°C)	33	33	32	31	30
Min Temp (°C)	20	20	20	19	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	99	99
Min RH (%)	50	51	59	56	65
Wind Speed (KmpH)	5	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):30-31°C

Minimum Tem. (°C):20-22°C Maximum RH (%):82-94%

Maximum RH (%):82-94% Minimum RH (%):52-68%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

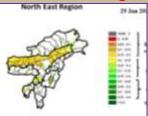
Rainfall: 19.9 mm

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-33°C and 19-20°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 50-65%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-5 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 163.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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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)



Animal / Fisheries   Diseases   Diseases   Diseases   Diseases   FRUITS CROPS    KHASI MANDARIN AND ACID LIME   STAR FRUIT    PLUM AND PEACH   PEACH   PEACH   PEACH   PEACH   PEACH   PEACH    PLUM AND PEACH   PEACH	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Nursery and gap filling stage   According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.    By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.   Potting mixture of soil, sand and FYM or compost should be in proper ratio.			practices/ Pest/	
RHASI MANDARIN AND ACID LIME STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  Research  PLUM AND PEACH  Research  PLUM AND PEACH  According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly spray monocrotophos mutterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  According to forecast probability of rain will be moderate and temperature will be less dorainage should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance, Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be used.  Stagnation of water in beds should be spaced 12 to 25 feet apart and dwarf trees should be set of to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Lamo butterfly. Spray monocrotophos on 1/1 if of water.  Leaf minor - Spray confidor 0.05% (0.5 ml/lit of water) ar	/Fisheries			
Nursery and gap filling stage   Nursery and gap filling stage   According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.    By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.   Potting mixture of soil, sand and FYM or compost should be in proper ratio.   Application of split dose of fertilizer 600: 200:100 (g/pt).   Only certified seed should be used.   Stagnation of water in beds should be avoided.   In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.   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.   Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor   Lamon butterfly. Spray monocrotophos	•			
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PLUM AND PLUM AND PEACH PEACH PEACH PEACH PAPER Should be less, so drainage should be sown in the field properly.  By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance.  PLANTATION CROP  PLANTATION CROP  PLANTATION CROP  PLANTATION CROP  PLAN		Nursery and	20 1	According to forecast probability of rain will
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PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  To a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water).		(	3 4 /	<b>By seeds:</b> Seed should be sown in the
PLUM AND PEACH  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  4 Potting mixture of soil, sand and FYM or compost should be in proper ratio.  4 Application of split dose of fertilizer 600: 200:100 (g/pt).  5 Only certified seed should be used.  5 Stagnation of water in beds should be avoided.  4 In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  5 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.  5 Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  1 DLANTATION CROP  COFFEE  Blooming stage  1 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	STAR FRUIT	7		nursery immediately after extraction in
PLUM AND PEACH  in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	2	to a depth 1.5 to 2 cm extraction at
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at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  PLANTATION CROP  COFFEE  Blooming stage  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1		
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filling.  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.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			V Long	
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.    Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor   Leaf minor Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.   Citrus Canker- Apply bacterimycin @0.6 g/lt of water.    PLANTATION CROP   Sall   If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		-		
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.    Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor   Leaf mi		1		S
be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAMM If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		of the second		-
distance depends on the variety. The bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Arabica and "Pink Flower" in Robusta.			I (INGLE)	*
bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Blooming Arabica and "Pink Flower" in Robusta.			HINAS HARRING	
Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  Figure 1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Figure 2.		5//	yes,	
citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  Leaf minor  Citrus Canker- Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		- 5	Gummosis.	<u> </u>
Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				@0.04% @1.2 ml/lt of water.
Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Stage  Blooming stage  Arabica and "Pink Flower" in Robusta.				
PLANTATION CROP  COFFEE Blooming stage SAIM Spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				
PLANTATION CROP  COFFEE  Blooming stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			butterfly and	
COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			leaf minor	@0.6 g/lt of water.
stage spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PLANTATION CR	OP		
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	COFFEE	Blooming	# SAIHA	
abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		stage		spell occur it lead to Floral
2   D 2 G 2			20	Arabica and "Pink Flower" in Robusta.
			1/1/	2   P a g e

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	MAMIT	KOLASIB	<ul> <li>♣ Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>♣ Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>♣ The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>♣ Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHN	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when they become 3-4 months old.</li> <li>♣ Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>
CEREALS AND			According to Conserve week 1911 C.
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAL	<ul> <li>♣ Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>♣ Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>

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			month and 25% at flowering stage.						
Cucurbitaceo	Fruiting stage	0 1	♣ According to forecast probability of						
us crop	(Ferminal CC)		rain will be moderate and temperature						
•	1	1	will be less, so drainage should be						
		-1	maintain around the field properly.						
		V comment of	♣ Provide split doses of urea (70g/pt) at						
	1	KOLASIB	the time of full blooming						
	1	En.	In large gardens apply carbaryl 0.2 per						
	1	7	cent or malathion 0.15 per cent						
	>		suspension containing sugar or						
	)	5	jeggery at 10 g/l at fortnightly						
	1		intervals at flowering and fruit						
	3	1	initiation against fruit fly and						
	J. MAGNIT	1	pumpkin beetle.						
Chilli	Vegetative to	Z AIZAWL Z	According to forecast probability of						
	flowering		rain will be moderate and temperature						
	stage	) }	will be less, so drainage should be						
	16	6 6 6	maintain around the field properly.						
	- 1		Larthing up soil for better growth and						
	1		stability in root zone.						
	1)		♣ Don't use split dose of any nitrogenous fertilizer for better growth.						
		SERCHN	If possible use straw mulch/ grass						
	1	V	mulch in row to prevent moisture loss						
			and better growth of plant.						
	- 4	Fruit fly	♣ In large gardens apply carbaryl 0.2 per cent						
			or malathion 0.15 per cent suspension						
		LUNGLEI	containing sugar or jeggery at 10 g/l at						
	>	H1975 H197	fortnightly intervals at flowering and fruit						
0	77	¥***	initiation.						
Cowpea	Vegetative	17 1	According to forecast probability of rain will be moderate and temperature will						
	stage		be less, so drainage should be maintain						
	()		around the field properly.						
			Larthing up soil for better growth and						
		-3	stability in root zone.						
			♣ Don't use split dose of any nitrogenous						
		LAWNGTLAN	fertilizer for better growth.						
Okra	Vegetative	# SAIHA	♣ According to forecast probability of rain						
	stage		will be moderate and temperature will						
		A	be less, so drainage should be maintain						
		N 10	around the field properly.						
		1/1/1/	5   P a g e						

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Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	<b>IDARY</b>		
Pig	All stages	AIZAWL	<ul> <li>♣ In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	18	Porcine	1. Culling of positive pigs or piglets.
	16	Reproductive	
		Respiratory	5
Cattle	All age group	LAWNGTLAL SAIHA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>✓ Provide UMB/Molases if possible in the feed</li> <li>✓ Provide 10-30 ml of vitamin B-Complex in feed</li> <li>✓ 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>

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	7	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	1	all a	+ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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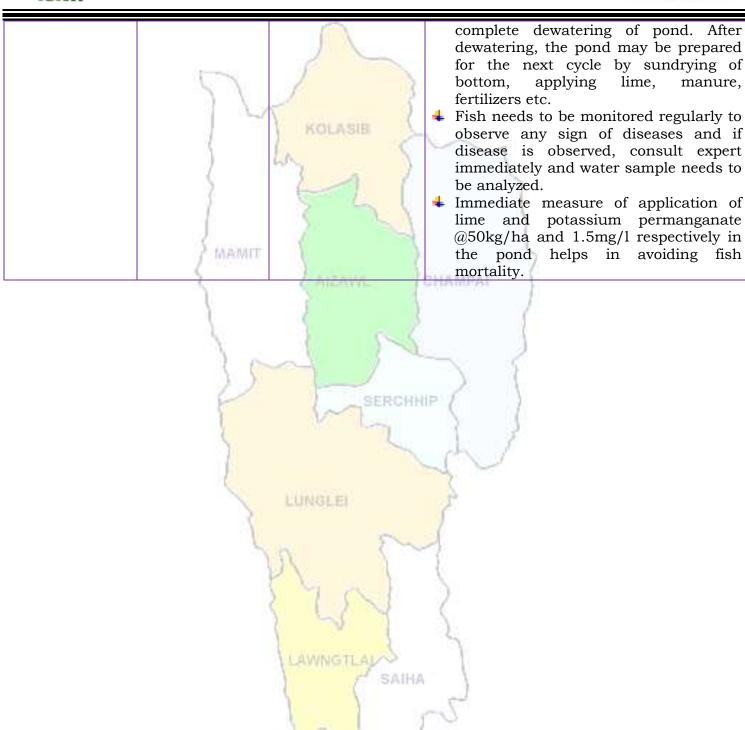
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SAIHA

LAWNGTLAL

CHAMPAI

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District: Mamit Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/Mizo

	1. 1.	P	5		
Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	19	30	32	36	46
Max Temp (°C)	33	33	32	31	30
Min Temp (°C)	20	20	20	19	19
Cloud Coverage	Mainly cloudy				
Max RH (%)	99	99	100	99	99
Min RH (%)	50	51	59	56	65
Wind Speed (KmpH)	5	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

Weather summary of the past three days

O2<sup>nd</sup> June – 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):30-31°C
Minimum Tem. (°C):20-22°C
Maximum RH (%):82-94%
Minimum RH (%):52-68%
Wind Direction: Southeasterly
Cloud cover: Partially clear
Wind speed: 2 km/hr

Rainfall: 19.9 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-33°C a ni ang a. A vawh lai ber in 19-20°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 50-65% ni tur a rin niin. Thli hi darkar khatah 2-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 163.0mm

Mildly dry condition occurs in all districts of Mizoram.

Date of issue: 01th June, 2018

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

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		100	Homzosting Stogo
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		1	thin a ni.
	1. 1	C R	♣ A rah hmin tha lo ho chu nuai sawm
	) \	20	hmain an thliar hrang leh vek thin ani.
	Last tool	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	4	f., S	♣ Hmaih neih nuaih loh tur ani.
	)	wy )	♣ Sneg hmaih te lakkhawma paih vek tur
		1	ani.
	(	The same of the sa	♣ Seng bang zawng zawng chu uluka taka
	- 1	1	paih fai vek tur ani.
		20	4 A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	/ MAMIT	A 7	Hmun dam lutukah dah loh tur.
	5	AIZAWL I	+ Boruak tha taka a hmuh theih nan leh a
	1	Constitution 1	rawn chawr no theih nan thlai chu uluk
	1	5	tak a hlawi tur ani.
	1	5	+ Chuan hei hian kah tur ani. Quinalphos 25
	1	100	EC @ 340 ml/200 lit emaw lamda
	1 0	7 7	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	100		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		6.00	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.  Bordeaux mixture 0.5% in February -
	137		March (Pre-bloom) a kah phawt a,
	16	Marine and Control	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	OIII SE CDODS		monsoon an kan cimunzawin tur am.
Rabi Maize	A chin hun	57	♣ Vaimim chinna tur atan lei kan let
Navi Maize	A CHIII HUII	17	
	)		phut darh anga.  Hei hian a rawn to chhuah na tur atan
	\(\lambda	C C S I	
	Į.	2	a pui dawn a ni.
		1 -4	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		A comment of the	4 A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAN	sawngbawl hmasa anga.
		SAIHA	0 -0 116/114 101 4 0111 0111411 111 4 041111
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		n 1 (	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		VVV	3   P a g e

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#### ICAR RESEARCH COMPLEX FOR NEH REGION

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



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Contract	5		<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	1	wy )	Lei rih vur hian thlai kung te a veng ve
and black	>		ani.
gram	1	5	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	J	/	khuh tur ani.
rice fellow	Carrier at an		Muongahang laying alu ahin na tun
Potato	Sowing stage	AIZAWL I	Muangchang loving alu chin na tur chu buatsaih vat tur ani.
	1		Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	1 55	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		♣ A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHH	A than a that theih nan nikhat danah
VEGETABLE CR	OP	Y Long	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
Tomaco	Blight disease		natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	MANAGEMENT	hmunah chuan natna an kai hma bik
	-7	500	ani.  Tomato hi a uai a, a thih mai loh nan
	. 7	11	Ridomil emaw Indofil emaw Mancozeb
			@ 2 gm hi tui liter 1 ah pawlh a kah
		75	tur ani .
Early Cole	Black spot	20 7	A than a that their nan nikhat danah tui pek thin tur ani.
crop	disease		Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAN	hnim ring vawm khawm hi tui pek
		# SAIHA	zawhah dah tur ani.
			♣ Zikhlum lam chi ah chuan sik leh  an yangin a hash ah thil dum rayun
			sa vangin a hnah ah thil dum rawn

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	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	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
	5		4	ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 rd week	.±	<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R <sub>2</sub> B vaccine pek tur ani. B complex with antibodies
	} meomit	4th weeks	+	<b>Coccidiosis-</b> Amprolium or coccidiostat
FISHERY	2 11121111	4-5 <sup>th</sup> Weeks		Calcium tonic fortified with B <sub>12</sub>
	Monitoring (Sangha enkawl)	LUNGLEI	+ + +	Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.  Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.  Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.  Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.  A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		SAIHA		27

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SAIHA

LAWNGTLAL

CHAMPAI

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



District: Saiha Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

Date of issue: 01th June, 2018

Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	12	31	22	19	32
Max Temp (°C)	32	31	30	29	29
Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	100	100	99
Min RH (%)	45	50	60	61	70
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm) Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):26-29°C

Minimum Tem. (°C):16-18°C Maximum RH (%):82-96%

Minimum RH (%):53-72%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

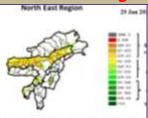
Rainfall: 14.3 mm

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 12-15°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 45-70%. Wind direction would be southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

#### Weekly cumulative rainfall: 116.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Animal   Fisheries	Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.		_	practices/ Pest/	husbandry advisories
Nursery and gap filling stage   STAR FRUIT	/Fisheries		Diseases	
MANDARIN AND ACID LIME  STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  PLUM AND PEACH  AMMIT  PLUM AND PEACH  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  Ib moderate and temperature will be less, so drainage should be sown in the nursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Lamon butterfly- Spray monocrotophos (0.0-5 ml/lit of water)  Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	FRUITS CROPS			
STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  STAR FRUIT  Composition  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Sed should be maintain around the field properly.  Sed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/p t).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Lamon butterfly. Spray monocrotophos @0.04% @1.2 ml/lit of water.  Lamon butterfly. Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker.  Apply bacterimycin @0.6 g/lt of water.  I day temperature and prolong dry spell occur it lead to Ploral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	KHASI	Nursery and	<" 3	According to forecast probability of rain will
STAR FRUIT  PLUM AND PEACH  PLUM AND PEACH  AMIT  PLUM AND PEACH  AMIT  PLUM AND PEACH  STAR FRUIT  Composis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLUM AND PEACH  STAR FRUIT  AMIT  PLUM AND PEACH  STAR FRUIT  AMIT  PLUM AND PEACH  AMIT  PLUM AND PEACH  AMIT  PLUM AND PEACH  AMIT  PLUM AND PEACH  AMIT  AMIT  PLUM AND PEACH  AMIT  AMIT  PLUM AND PEACH  AMIT  A	<b>MANDARIN</b>	gap filling	KOLASIR	be moderate and temperature will be less,
FLUM AND PEACH  PLUM AND PEACH PICA	AND ACID		(	so drainage should be maintain around the
PLUM AND PEACH  PLUM AND PEACH	LIME	J	an I	
PLUM AND PEACH  PLUM AND PEACH  NAMIT  PEACH  To a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly. Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) are leaf minor.  PLANTATION CROP  COFFEE  Blooming stage  SAIH  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	CMAD DDIIIM	(	1 1	•
PLUM AND PEACH  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-6 leaf stages.  10x5 cm distance. Seedlings at 4-6 leaf stages.  10x5 cm distance of soil, sand and FYM or composit, send and FYM or composit, should be in proper ratio.  10x5 cm distance of self stages.  10x5 cm distance of soil, sand and FYM or composit, should be in proper atio.  10x5 cm distance of soil, sand and FYM or composit, should be in proper atio.  10x5 cm distance of soil, sand and FYM or composit, should be seed should be seed should be seed.  11x6 stages.  11x6 leaf stages.  12x6	STAR FRUIT	3	the same of the sa	
PLUM AND PEACH  in secondary bed or polythene bags at 4-6 leaf stages.  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/ pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  SAHM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		f.		- /
6 leaf stages.  4 Potting mixture of soil, sand and FYM or compost should be in proper ratio.  4 Application of split dose of fertilizer 600: 200:100 (g/pt).  4 Only certified seed should be used.  5 Stagnation of water in beds should be avoided.  4 In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  5 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.  6 Cummosis, citrus Granker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  7 Lamon butterfly- Spray monocrotophos @1.04% @1.2 ml/lt of water.  8 Lamon butterfly- Spray monocrotophos ml/lit of water.  9 Laminor- Spray confidor 0.05% (0.5 ml/lt of water) at each flush emergence.  9 COFFEE Blooming stage  1 If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	DI 1112 A 11D	J	7/	
PEACH  Potting mixture of soil, sand and FYM or compost should be in proper ratio.  Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.)  PLANTATION CROP  COFFEE  Blooming stage  SAIM  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		MAMIE		
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Application of split dose of fertilizer 600: 200:100 (g/pt).  Only certified seed should be used.  Stagnation of water in beds should be avoided.  In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.  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.  Cummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly- Spray monocrotophos (@0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.  Citrus Canker- Apply bacterimycin (@0.6 g/lt of water.  PLANTATION CROP  COFFEE Blooming stage  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		1	CHIZAWIE.	
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bigger the fruit, the farther the distance.  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Blooming stage  bigger the fruit, the farther the distance.  Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.			LUNGLEI	
Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor  FLANTATION CROP  COFFEE  Blooming stage  SAHA Spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				
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Citrus greening, Dieback, Lamon butterfly and leaf minor  COFFEE  Blooming stage  Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				• 1 0
Dieback, Lamon butterfly and leaf minor  PLANTATION CROP  COFFEE  Blooming stage  Blooming stage  Arabica and "Pink Flower" in Robusta.		(		
butterfly and leaf minor  COFFEE  Blooming stage  Blooming stage  Label Same Leaf minor  Citrus Canker- Apply bacterimycin @0.6 g/lt of water.  Label Same Leaf minor  Label Same Leaf		į		
COFFEE   Blooming   stage   SAIM   If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.		l l		
PLANTATION CROP  COFFEE  Blooming stage  stage  SAHA  If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				@0.6 g/lt of water.
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	PLANTATION CR	OP		
stage  spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.	COFFEE	Blooming	₹ SAIHA	♣ If day temperature and prolong dry
abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.				spell occur it lead to Floral
				abnormalities like "Star Flower" in
2   D 2 G 2			2 5	Arabica and "Pink Flower" in Robusta.
			1/1/	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)



	MAMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHH	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAL	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> </ul>

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CEREALS AND PULSE CROPS         Maize (Jhum)       Vegetative stage       Coording to forecast probability will be moderate and temperate be less, so drainage should be rearound the field properly.         Larthing up soil for better growth	ture will
(Jhum) stage will be moderate and temperate be less, so drainage should be around the field properly.  Larthing up soil for better grown.	ture will
stability in root zone.  Use split dose of any nitr fertilizer for better growth.	wth and
Jhum Rice  Stage  According to forecast probability will be moderate and temperate be less, so drainage should be around the field properly.	ture will
■ Earthing up soil for better growstability in root zone. ■ Use split dose of any nitrefertilizer for better growth.	
VEGETABLE CROP	
Ginger and turmeric  Rhizome should be treated with @4 g/kg seed.  Use optimum seed rate (50-60 kg for desire plant population.  Apply well decomposed FY manure @ 10-20 t/ha alond 120:80:60 kg N, P2O5 and incorporate with soil before Half nitrogen dose will use at of sowing and remaining 25% and incorporate with solid personal remaining 25% and	kg/ha)  'M/ pig ng with K <sub>2</sub> O/ha sowing. the time
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			month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and</li> </ul>
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>pumpkin beetle.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> </ul>
	1	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	LAWNGTLAN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SAIHA	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  5   P a g e

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		-	+ D (1) 11 C 1 (1) 11 1		
			Larthing up soil for better growth and		
			stability in root zone.		
			♣ Don't use split dose of any nitrogenous		
		2	fertilizer for better growth.		
Colocasia	Sowing stage		♣ Planting is done well prepared land or		
	The state of	V comment	pits filled up with FYM (12-15) t/ha		
	J.	KOLASIB	♣ Sprouted corms or cormels are planted		
	1	En.	5-7 deep at a spacing of 40-50 cm		
	1	7	between and within rows in the pits.		
	)		♣ Inorganic fertilizer like Urea, SSP and		
	)	Similar	MOP @ 220: 375: 134 kg.		
ANIMAL HUSBENDARY					
Pig	All stages		♣ Animals must keep in dry place or		
	MAMIT	1	kept in alleviated area and dry bedding		
	5	LAIZAWL I	(straw) to be provided to young		
	1	Communication 1	animals.		
	1	j )	↓ 1 <sup>st</sup> injection at 6 months of age and		
	1		2nd injection at 12 months of age		
	1	1 1 1	followed by annual vaccination under		
	) 6		vet supervision against FMD.		
	1		Reduce concentrate diet up to 5%.		
		SERCHN	Provide adequate potable water.		
		(~	♣ In present weather conditions		
	V.		vaccinate against swine fever (Vaccines		
			available in State Veterinary Departs)		
		Porcine	1. Culling of positive pigs or piglets.		
		Reproductive			
		Respiratory	13		
	3	Syndrome (PRRS).			
Cattle	All age group	200	♣ In present weather conditions, special		
		77	care should be taken against attack of		
		3	maggots in the wounds of animals.		
	l l	( by se )	Application of turpentine oil in the		
			wounds followed by application of		
	l l	-5	antibiotics for five days is advised.		
			♣ Provide UMB/Molases if possible in the		
		LAWNGTLAN	feed		
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex		
		SAINA	in feed		
			⁴ 1st injection at 6-8 weeks of age, 2nd		
			injection after 6 months of 1st injection		
		6			

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	7	KOLASIB	followed by annual vaccination under vet supervision.  Separate sick animals.  The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.  Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	<ul> <li>♣ Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>♣ Proper ventilation of shed.</li> <li>♣ Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>♣ Avoid overcrowding.</li> <li>♣ Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>♣ Vaccination as per the schedule with proper consultation with vet.</li> <li>▶ Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>♣ Remove wet litter.</li> </ul>
FISHERY	1	all a	+ Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAUSAIHA	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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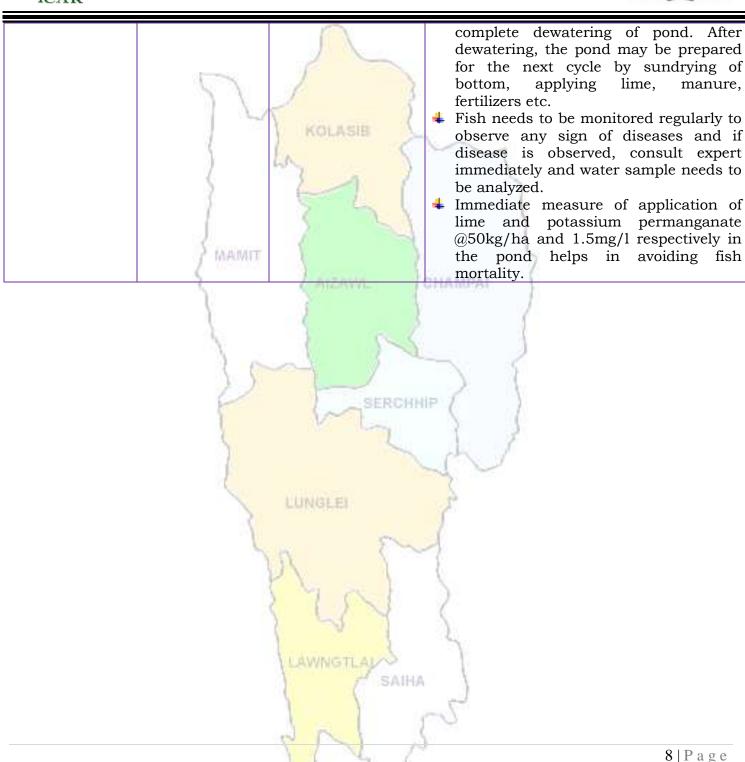


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SAIHA

LAWNGTLAL

CHAMPAI

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District: Saiha Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/Mizo

Parameters 02.06.2018 03.06.2018

		•
.06.2018	05.06.2018	06.06.2018
22	19	32
30	29	29

Date of issue: 01th June, 2018

Rainfall (mm)	12	31	22	19	32
Max Temp (°C)	32	31	30	29	29
Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	99	100	100	99
Min RH (%)	45	50	60	61	70
Wind Speed (KmpH)	4	2	2	2	2
*Wind Direction	S-E	S-E	E	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm (185.6 mm)(119.4 mm)(109.8 mm)

(213.6 mm)Mamit-388.3 mm Lawngtlai-157.2 mm Lunglei- 336.4 mm Serchhip-158.4 mm

(101.5 mm)(117.6 mm)(236.2 mm)(214.2 mm)

Weather summary of the past three days

02<sup>nd</sup> June - 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

Maximum Tem. (°C):26-29°C Minimum Tem. (°C):16-18°C Maximum RH (%):82-96% Minimum RH (%):53-72% Wind Direction: Southeasterly Wind speed: 2 km/hr

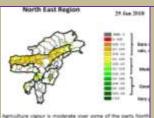
Cloud cover: Partially clear

Rainfall: 14.3 mm

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 12-15°C ni tura beisei a ni. RH san lai berin of 98-100% leh a hniam lai berin 45-70% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 116.0mm

NDVI for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbandry advisories
FRUITS CROPS		Diseases	
KHASI	A 1i atamea	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	A kui atanga a seng hun	V	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	1	A	4 Thlai naupang deuah chuan chawlh
	(	3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
		3	theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.
STAR FRUIT	2		♣ A seng hma kar 6 chhung chu tui tha
	J' MAMIT	1	taka pek hian a rah tla tur chelh nan
	§	Z AIZAWL Z	leh a rah than that nan te leh a rah
PLUM AND PEACH	1		keh tur lakah t a veng thei ani.
1 211011	1	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
	) 6	greening and	laka vennan Bordeaux past hi thing zar leh
	1	Dieback	a trangah te hnawih tur ani.
	5	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	LAWNGTLAL	<ul> <li>Nursery stage</li> <li>↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>

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			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	7 1	2	hmain an thliar hrang leh vek thin ani.
	1	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
		borer	ani.
	(	(	♣ Hmaih neih nuaih loh tur ani.
	)	CO. 3	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1		♣ Seng bang zawng zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT		tur ani.
	J. Instanti	1	Hmun dam lutukah dah loh tur.
	3	Z AIZAVVL Z	Boruak tha taka a hmuh theih nan leh a
		7	rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.
	Y.	)	tak a mawi tur am.  4 Chuan hei hian kah tur ani. Quinalphos 25
	1	1 - 1	EC @ 340 ml/200 lit emaw lamda
			cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	) 6		♣ In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		1	robusta cherry 11.0 %.
	λ	Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		-	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEDEALC AND I	NII CE CEORG	THE CONTRACTOR OF THE CONTRACT	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I			Weigning things then the let less let
Rabi Maize	A chin hun	n (~	→ Vaimim chinna tur atan lei kan let
	)		phut darh anga.
	(		Hei hian a rawn to chhuah na tur atan
	Į.	2 1 3 3	a pui dawn a ni.
	N	3 -5 7	4 A chi chu kan lei leh saah chuan kan
		1	dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
		The state of the s	sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
		10 M	t/ha leh 80:60:40 kg N, P <sub>2</sub> O <sub>5</sub> leh
		V V V	3   P a g e

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

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	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)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3. 1	1		an chaw eitur thlak sak thut loh tur
		V V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	2	7		a puitlingh chuan R2B vaccine pek tur
	)			ani.
	)	5 6	_	B complex with antibodies
		4 <sup>th</sup> weeks	+	<b>Coccidiosis-</b> Amprolium or
	300000			coccidiostat
	J. INFONT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	ATZAWIL.	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	5		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHN	(p)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	(			thin, aflatoxin avang a sangha thi lak
			-	atangin sangha a him phah thin.
	100		5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	100	AMERICAN STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		5	4	Sangha te natna lak atangin an him em
		1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		1 7 7	8	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LI MANUETT AL S		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	)
			Pro	7
		1 2		2
		6	100	

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SAIHA

LAWNGTLAL

CHAMPAI

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S-E

District: Serchhip Period: 02 June - 06 June, 2018

Bulletin No: - 795/2018/ Bulletin/English

S-E

	0.20	F	5.0		
Parameters	02.06.2018	03.06.2018	04.06.2018	05.06.2018	06.06.2018
Rainfall (mm)	16	18	29	32	34
Max Temp (°C)	24	24	23	23	22
Min Temp (°C)	12	12	13	13	15
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	98	100	100	100	100
Min RH (%)	65	46	59	61	61
Wind Speed (KmpH)	3	2	2	0	2

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm

S-E

(185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)
Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

# Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-19°C

Maximum RH (%):82-94%

Minimum RH (%):51-71%

Wind Direction: Southeasterly Cloud cover: Partially clear

Wind speed: 2 km/hr

Rainfall: 12.4 mm

\*Wind Direction

Weather forecast valid from 02<sup>nd</sup>June, 2018 To 06<sup>th</sup> June, 2018.

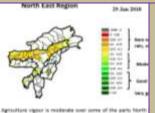
S-E

Date of issue: 01th June, 2018

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 22-24°C and 12-15°C. Maximum relative humidity is expected in the range of 98-100% and minimum may from 46-65%. Wind direction would be southeasterly to westerly and southeasterly with the wind speed of 0-3 km per hour. Partially clear sky will prevail during the next five days.

#### Weekly cumulative rainfall: 129.0 mm

**NDVI** for Mizoram



Mildly dry condition occurs in all districts of Mizoram.

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	e 1	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,
AND ACID	stage	1	so drainage should be maintain around the
LIME	Ĵ	W 1	field properly.
CMAD DDIIM		1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	3		nursery immediately after extraction in
	1		to a depth 1.5 to 2 cm extraction at
DI IIM AND	J	11	10x5 cm distance. Seedlings are planted
PLUM AND	MAMIT		in secondary bed or polythene bags at 4-
PEACH	V 1000000	1	6 leaf stages.  4 Potting mixture of soil, sand and FYM or
	16	( ATZAWIL	compost should be in proper ratio.
	1	ſ	♣ Application of split dose of fertilizer 600:
	3-	S	200:100 (g/pt).
	1	1 100	♣ Only certified seed should be used.
	0 6		♣ Stagnation of water in beds should be
	1)		avoided.
		SERCH	■ In the citrus belt, trees can be planted
	1		at any time; however, pre-monsoon is
	(		the best time for transplant or gap
			filling.
			Standard-size trees should be spaced 12
	1	LUNGLEI	to 25 feet apart and dwarf trees should
	3	CONSCIENT	be set 6 to 10 feet apart. The exact distance depends on the variety. The
	14	and the second	bigger the fruit, the farther the distance.
	,	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
	()	Citrus greening,	<b>Leaf minor-</b> Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR			1
COFFEE	Blooming	# SAIHA	
	stage		spell occur it lead to Floral
			abnormalities like "Star Flower" in
		0 1	Arabica and "Pink Flower" in Robusta.
		1 4 6	2   P a g e

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	MAMIT	KOLASIB	<ul> <li>Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Nursery stage	SERCHN	According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.  Start planting newly established place.  10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.  Basin clearing of all plant.  Rain cap can use for tapping plant  Start intercropping in newly established orchard.
Oil plam	Vegetative/ Harvesting stage	LAWNGTLAN	<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>

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Passion Fruit	Nursery stage	KOLASIB	<ul> <li>♣ Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>♣ When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>♣ The seedlings are planted in field when</li> </ul>
	}	375	they become 3-4 months old.  Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	F. 1010000000000000000000000000000000000		
Maize ( <i>Jhum</i> )	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fortilizer for better growth.</li> </ul>
Thum Dies	Germination	SERCHH	fertilizer for better growth.
Jhum Rice	stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
VEGETABLE CR	OP		
Ginger and turmeric	Sowing stage	LAWNGTLAN	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
		6 1 7	()

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Mizoram Centre, Kolasib- 796081, MIZORAM

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



			month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage	KOLASIB	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and</li> </ul>
Chilli	Vegetative to flowering stage	AIZAWL	<ul> <li>pumpkin beetle.</li> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> </ul>
	1	Fruit fly	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	LAWNGTLAN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SAIHA	<ul> <li>♣ According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>5   P a g e</li> </ul>

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		-	+ T (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Larthing up soil for better growth and
			stability in root zone.
	100000		♣ Don't use split dose of any nitrogenous
		2	fertilizer for better growth.
Colocasia	Sowing stage		♣ Planting is done well prepared land or
	The Contract of the Contract o	V comment	pits filled up with FYM (12-15) t/ha
	J.	KOLASIB	♣ Sprouted corms or cormels are planted
	1	En.	5-7 deep at a spacing of 40-50 cm
	1	7	between and within rows in the pits.
	)		♣ Inorganic fertilizer like Urea, SSP and
	)	Similar	MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI	NDARY		
Pig	All stages		♣ Animals must keep in dry place or
	J. WYWIT	1	kept in alleviated area and dry bedding
	ς	LAIZAWL I	(straw) to be provided to young
	1	Communication 1	animals.
	1	j )	↓ 1 <sup>st</sup> injection at 6 months of age and
	1		2nd injection at 12 months of age
	1	1 1/4	followed by annual vaccination under
	) 6		vet supervision against FMD.
	1		Reduce concentrate diet up to 5%.
		SERCHN	Provide adequate potable water.
		(~	♣ In present weather conditions
	y.		vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	13
	3	Syndrome (PRRS).	
Cattle	All age group	200	♣ In present weather conditions, special
		17	care should be taken against attack of
			maggots in the wounds of animals.
	l l	( by se )	Application of turpentine oil in the
			wounds followed by application of
	1	-5	antibiotics for five days is advised.
			♣ Provide UMB/Molases if possible in the
		LAWNGTLAN	feed
		SAIHA	♣ Provide 10-30 ml of vitamin B-Complex
		( SAITA	in feed
			⁴ 1st injection at 6-8 weeks of age, 2nd
			injection after 6 months of 1st injection
		60	VI .

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<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>
<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>

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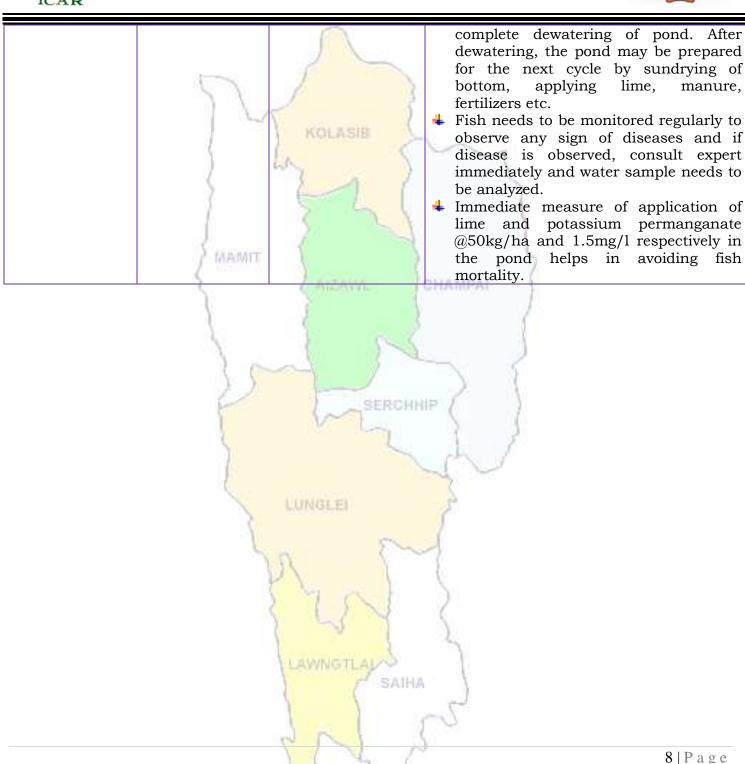


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SAIHA

LAWNGTLAL

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**Parameters** 

Max RH (%)

Min RH (%)

Rainfall (mm)

Max Temp (°C)

Min Temp (°C)

**Cloud Coverage** 

\*Wind Direction

Wind Speed (KmpH)

### GRAMIN KRISHI MAUSAM SEWA

#### ICAR RESEARCH COMPLEX FOR NEH REGION

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2

S-E

District: Serchhip Period: 02 June - 06 June, 2018

03.06.2018

18

24

12

100

46

2

S-E

Mainly cloudy

Bulletin No: - 795/2018/ Bulletin/Mizo

02.06.2018

16

24

12

Partially clear

98

65

3

S-E

3		
04.06.2018	05.06.2018	06.06.2018
29	32	34
23	23	22
13	13	15
Mainly cloudy	Mainly cloudy	Mainly cloudy
100	100	100
59	61	61

0

Date of issue: 01th June, 2018

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

Status of Pre Monsoon- April 1-30, 2018 (Percent of deviation from normal in parenthesis)

Aizawl- 496.0 mm Champhai- 273.3 mm Saiha- 140.6 mm Kolasib- 334.8 mm (185.6 mm) (119.4 mm) (109.8 mm) (213.6 mm)

Lawngtlai-157.2 mm Lunglei- 336.4 mm Mamit-388.3 mm Serchhip-158.4 mm

(101.5 mm) (117.6 mm) (236.2 mm) (214.2 mm)

# Weather summary of the past three days

Maximum Tem. (°C):29-30°C Minimum Tem. (°C):17-19°C

Maximum RH (%):82-94%

Minimum RH (%):51-71%
Wind Direction: Southeasterly
Cloud cover: Partially clear

Wind speed: 2 km/hr

Rainfall: 12.4 mm

02<sup>nd</sup> June – 06<sup>th</sup> June, 2018 chhunga sik leh sa dinhmun tur tlangpui

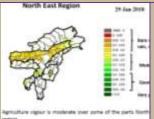
2

S-E

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 22-24°C a ni ang a. A vawh lai ber in 12-15°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 46-65% ni tur a rin niin. Thli hi darkar khatah 0-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 129.0mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

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Main Crop/ Animal	Stage	Cultural practices/ Pest/	Agricultural / Horticultural/ animal husbandry advisories
/Fisheries		Diseases	nusbanuty auvisories
FRUITS CROPS		Discases	
KHASI	A kui atanga	20	♣ Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	V comment	vennan chuan hnim hnah hring tlai bul
AND ACID	a seng nun	KOLASIB	velah dahkhawm tur ani.
LIME	)	LA N	♣ Thlai naupang deuah chuan chawlh
	(	3 4 /	kar tin a tui pek thin tur ani.
BANANA	7		♣ Leia tha mamawh tawk a hmuh
	f.	5	theihna turin a hmunhma a hnim awm
CMAD EDIUM		/	te thlawhfai thin tur ani.
STAR FRUIT	MAINIT		♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan
	\$	107000	leh a rah than that nan te leh a rah
<b>PLUM AND</b>	1	(AIZAWL	keh tur lakah t a veng thei ani.
PEACH	1	5	
	Acc.	Gummosis, citrus	♣ Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	1)	Dieback	The state of the s
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	LAWNGTLAUSAIHA	<ul> <li>Nursery stage</li> <li>↓ Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>↓ A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>↓ Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>↓ Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>↓ Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>

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			Homosting Stogo
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	1 7	6 3	♣ A rah hmin tha lo ho chu nuai sawm
	1 \	20	hmain an thliar hrang leh vek thin ani.
	land.	Coffee Berry	♣ A hun takah leh fimkhhur taka seng tur
	1	borer	ani.
	4	F	→ Hmaih neih nuaih loh tur ani.
	)	GP )	♣ Sneg hmaih te lakkhawma paih vek tur
	(	1 1	ani.
	1	1000	♣ Seng bang zawng zawng chu uluka taka
	J.	1	paih fai vek tur ani.
	. J	201	♣ A thlai vennan a rah tlai ho chu paih vek
	Same		tur ani.
	/ MAMIT	X 7	Hmun dam lutukah dah loh tur.
	5	Z AIZAWL Z	♣ Boruak tha taka a hmuh theih nan leh a
	1		rawn chawr no theih nan thlai chu uluk
	1	)	tak a hlawi tur ani.
	3	100	Chuan hei hian kah tur ani. Quinalphos 25
	1	1 1	EC @ 340 ml/200 lit emaw lamda
	1		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	A. C		In leh loa sawngbawln a a ro dan tur
	1		tawkah chuan: Arabica / robusta
		SERCHN	
		Coffee Rust	robusta cherry 11.0 %.  Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	J.		March (Pre-bloom) a kah phawt a,
	1	MILLIANS	Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	PULSE CROPS		monocon) an man comanda con ann
Rabi Maize	A chin hun	500	→ Vaimim chinna tur atan lei kan let
		11	phut darh anga.
	1		Hei hian a rawn to chhuah na tur atan
		1 3 20	a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		55	
			dah ang.
		LAWNGTLAL	4 A chi chu Thiram @4 g/kg seed hian ak
			sawngbawl hmasa anga.
		# SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		0 10	$t/ha$ leh 80:60:40 kg N, $P_2O_5$ leh
		1/1/	3   P a g e

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	5		<ul> <li>K<sub>2</sub>O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>♣ A than a that theih nan nikhat danah</li> </ul>
Soybean, pea, lentil toria,	All stage	Zero tillage	tui pek thin tur ani.
breen gram	2	wy )	Lei rih vur hian thlai kung te a veng ve
and black	2		ani.
gram	1	5 1	♣ Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga
cultivation in	1	/	khuh tur ani.
rice fellow Potato	Carrier store	1	♣ Muangchang loving alu chin na tur
Potato	Sowing stage	Z AIZAWL Z	chu buatsaih vat tur ani.
	1		♣ Hei hian a than hun laiin natna hrikin
	1	5	lakah a veng dawn ani.
	1	5	Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.
	3 6		4 A chi thlak hma in a chi chu en fiah
	1)		hmasak tur ani.
		SERCHN	A than a that theih nan nikhat danah
VEGETABLE CR	OP	No. large	tui pek thin tur ani.
Tomato	Bacterial		♣ Tomato bikah chuan sik leh sa hi
	Blight disease	100	natna an kaina tlang lawn ber ani .
		LUNGLEI	Hmun hnawng leh ni hmu lo lutuk
	3	The state of the s	hmunah chuan natna an kai hma bik ani.
		500	Tomato hi a uai a, a thih mai loh nan
		17	Ridomil emaw Indofil emaw Mancozeb
	(		@ 2 gm hi tui liter 1 ah pawlh a kah
Early Cole	Black spot		tur ani .  4 A than a that theih nan nikhat danah
crop	disease	20	tui pek thin tur ani.
		I comment as a	4 Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAL	hnim ring vawm khawm hi tui pek
		( SAINA	zawhah dah tur ani.  Likhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum rawn
	<u> </u>	m 1 1	- ca rangin a mian an ann aani iawii

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

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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	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	SERCHN	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	All age group	Foot and Mouth Disease (FMD)	Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

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7 | P a g e

			+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3.7	1		an chaw eitur thlak sak thut loh tur
	1	V V		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	la S		1-6 ah F1 vaccine pek tur ani a, chuan
	7	7		a puitlingh chuan R2B vaccine pek tur
	2			ani.
	)	5 6	_	B complex with antibodies
	1	4 <sup>th</sup> weeks	+	Coccidiosis- Amprolium or
				coccidiostat
	J. INAUNIT	4-5 <sup>th</sup> Weeks	4	Calcium tonic fortified with B <sub>12</sub>
FISHERY	3	ATZAWIL	CH	AMPAL
	Monitoring	1	4	2011-21-01-01-01-01-01-01-01-01-01-01-01-01-01
	(Sangha	(		chauh pek thin tur ani. Sangha chaw a
	enkawl)	1 1		lo hmuar anih chuan pek hma in ni sa
	0 6		-	a phoro phawt tur ani.
	1		-	Sangha chaw hi a hmuar lohna turin
		SERCHH	(p)	hmun ro leh uap lutuk lo ah dahthat
		~		tur ani a, hmuar atang a tur lo inseam
	\ \			thin, aflatoxin avang a sangha thi lak
				atangin sangha a him phah thin.
			5	Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil
	716	AMERICAN STREET		buatsaih a ti awlsam a, dil mawng
		LUNGLEI	19	phoro, chinai phul, leitha hman leh tul
	1		7	dang in dil buatsaih tur ani.
		500	4	Sangha te natna lak atangin an him em
	- 7	1	1	tih enfiah fo a tha a, natna hmuh anih
	3		1	chuan mithiam te rawn vat a, diltui
		130 6	6	enfiah vat tur ani.
		1 50 4	4	A ranglam a chinai @50kg/ha leh
		1	18	tuisen @1.5mg/l diltui a hman hian
		LINGS THE STATE OF		sangha natna avang a thi tur lak
		LAWNGTLAN		atangin a veng thei.
		SAIHA	1	)
			Prin	7
				2
		60	100	

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